Vol. XIV. FEBRUARY, 1892. No.

THE

Medical Bulletin:

A MONTHLY JOURNAL OF MEDICINE AND SURGERY.

EDITED BY

JOHN V. SHOEMAKER, A.M., M.D.

CONTENTS.

CLINICAL LECTURE:

Chronic Inflammation of the Uterus, with Possible Pregnancy. By E. E. Montgomery, M.D. . . . 43

ORIGINAL COMMUNICATIONS:

On the Use of Strychnia in Diseases of the Spinal Cord. By L. Harrison Mettler, A.M., M.D. . . 46

Has Electricity any Action as a Germicide? Can it Produce Poisonous Results in Food? By Wm. R. D. Blackwood, M.D. 49

Report of a Case of Bullet-Wound of Brain and one of Comminuted Fracture of the Skull by a Kick from a Horse, Successfully Treated by Antiseptic Surgery. By Joseph H. Wills, A.M., M.D. . . 55

Suspension of Human Body by Inversion. By Henry V. Gray, M.D. 57

ABSTRACTS:

Defecation by the Mouth 58

Diphtheritic Broncho-Pneumonia.—Toxicity of the Salts of Barium.—Lichen Planus Treated by Hydrotherapy.—Leprosy in Bokhara.—A Case of Broncho-Pneumonia in which Insufflation Relieved Grave Asphyxia 59

Coccidia found in the Intestine.—Tetanus Associated with Dilatation of Stomach.—Effects of Massage.—Spasm of Arteries of Retina in Consequence of Influenza.—Experimental Researches upon Immunity—Abrin 60

Susceptibility of Thirsty Animals to Infectious Disease.—Benzoyl-Guaiacol as Substitute for Creasote 61

Salophen.—Auto-Intoxications 62

Cardiac Affections in Acute Malaria.—Occurrence of Herpes Zoster During Treatment by Arsenic . 63

THERAPEUTIC NOTES 64

EDITORIALS:

The Recent Epidemics of Influenza 69

Tarpon Springs as a Winter and Health Resort . . 71

CORRESPONDENCE 73

MEDICAL NEWS AND MISCELLANY . . . 73

BOOK REVIEWS 81

CURRENT MEDICAL LITERATURE 83

COMMERCIAL NEWS 84

TERMS, $1.00 A YEAR IN ADVANCE
in United States, Canada, and Mexico.

FOREIGN SUBSCRIPTION TERMS:

ENGLAND, 5 Shillings. FRANCE, 6 Francs. GERMANY, 5 Marks. JAPAN, 1 Yen. AUSTRALIA, 5 Shillings. HOLLAND, 3 Florins.

THE F. A. DAVIS CO., Publishers, Philadelphia, Pa., U. S. A.

MAIN OFFICE—1231 FILBERT ST., PHILADELPHIA.

BRANCHES:

117 W. 42d St., New York City, U. S. A.
69 Old Capitol, Atlanta, Ga., U. S. A.
24 Lakeside Building, Chicago, Ill., U. S. A.
40 Berners St., Oxford St., London, W., Eng.

DEPOTS:

LIVERPOOL, Eng.—F. & E. Gibbons, 19 Ranelagh St.
DUBLIN, Ireland—Fannin & Co., 41 Grafton St.
VIENNA, Austria—Josef Safar, VIII Schlosgasse, 24.
PARIS, France—H. LeSoudier, 174 Boulevard St. Germain
AMSTERDAM, Holland—Jacs. G. Robbers.
COLOMBO, Ceylon—Neil S. Campbell.
TOKIO, Japan—Z. P. Marnya & Co.

REGISTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER.

WHEY, OR MILK SERUM,

is deservedly growing in use and repute as one of the most readily available and desirable nutrients for the sick, and as a temporary substitute for whole milk in excessive derangements of infant digestion.

WHEY contains all the salts of milk, the soluble albuminoids and the milk sugar (the caseine and the greater part of the fat only being separated from the milk) when prepared with

FAIRCHILD'S
ESSENCE OF PEPSIN.

Thus a really nutritious fluid food may be surely, speedily, and easily prepared, far richer and more comprehensive in actual nutritive constituents than many costly, so-called "foods," beef elixirs, wines, etc., which have been, over and over again, shown to contain but a mere trace of the characteristic and essential elements of beef, viz., its albuminoids.

FAIRCHILD BROS. & FOSTER,

82 and 84 Fulton St., New York City.

JNO. C. BAKER & CO.'S
STANDARD PREPARATIONS.

ESTABLISHED 1830.
Absolutely Pure and Palatable.
Can be taken where all other Oils have been rejected.

INSIST ON BAKER'S OIL
IN BAKER'S BOTTLES.

BAKER'S EMULSION.
With HYPO-PHOSPHITES of Lime and Soda. Made with unequalled NORWEGIAN OIL, rendering it by common consent the BEST EMULSION IN THE MARKET.

BAKER'S COD LIVER OIL, with EXTRACT OF MALT and HYPO-PHOSPHITES.

AGENTS for
- Solution Ferrous Malate.
- Solution Salicylate of Iron.
- Ferrous Malate, Gentian & Cinchona.
- Barlett's Pile Suppositories.

JNO. C. BAKER & CO., Phila.

VIN MARIANI

"THE STANDARD PREPARATION OF ERYTHROXYLON COCA."

CAREFUL, continued testing, by upwards of seven thousand practitioners in America, whose written opinions over their signatures (in our possession) are fully in accord and clearly prove the efficacy and merits of "VIN MARIANI," may be thus summarized:

"Diffusible stimulant and tonic in anæmia, nervous depression, sequelæ of ch ldbirth, lymphatism, tardy convalescence, general 'Malaise,' and after wasting fevers.

"Special reference to the nervous system, in all morbid states, melancholia, etc.

"Tonic in laryngeal and gastric complications, stomach troubles.

"All cases where a general toning or strengthening of the system is needed.

"The only tonic stimulant without any unpleasant reaction, and may be given indefinitely, never causing constipation.

N. B.—This Wine has been found always uniform and reliable, owing to the selection of finest ingredients and the greatest accuracy in its manipulation. When prescribing, therefore, the Medical Profession are strongly advised to specify "VIN MARIANI," in order to avoid the substitution of imitations often worthless and consequently disappointing in effect.

Please specify VIN MARIANI.

Per case of Half-Dozen Bottles, . . $6.00
Per case of One Dozen Bottles, 12.00

MARIANI & CO.,

Paris: 41 Bd. Haussmann.
London: 239 Oxford Street. **52 W. 15TH ST., NEW YORK.**

Definite Chemical Compounds

OF SUPERIOR THERAPEUTIC VALUE.

THE NEW HYPNOTIC:

CHLORALAMID—SCHERING.

As a safe and reliable hypnotic Chloralamid is taking a foremost place. Even in cases where the patients have suffered from painful diseases, sleep has been successfully induced by its administration; the effect is different from that of soporifics, in that it is light, refreshing, and free from after symptoms. In epilepsy it has been recently shown to be superior to other remedies generally adopted. The dose varies from 15 to 40 grains, and the hypnotic effect is produced within half an-hour. It is noteworthy that the action of the drug is not deferred, and no craving for it seems to be excited, even by prolonged administration. According to Dr. JOHN GORDON (*Therapist*, 1891, No. 6, Chloralamid proved highly satisfactory in senile insomnia, pulmonary diseases, and hysteria. Another recent contribution to our knowledge of Chloralamid calls attention to its value in quieting the nervous system, and inducing sleep after severe operations. (*Therapist.*)

THE NEW ANTIPYRETIC:

PHENOCOLL Hydrochloride—SCHERING.

Among antipyretics this compound is destined to take a foremost place by virtue of its free solubility which enables it to be very conveniently given and also ensures its prompt and ready absorbtion. According to VON MERING 8 grains reduced the febrile temperature as much as 12 to 16 grains of Antipyrin. HERTEL gave Phenocoll hydrochloride in powder form (in wafer), 1¼ drachms being divided over the 24 hours. In severe articular rheumatism with some fever the remedy has exerted a beneficial action upon the swollen joints, when all other remedies have failed. (*Therapist.*)

THE NEW URIC ACID SOLVENT:

PIPERAZINE—SCHERING.

The most characteristic property of this compound is its power of dissolving uric acid and forming a comparatively freely soluble urate. It takes up in the cold twelve times as much uric acid as carbonate of lithium under the same conditions, and the salt formed (always the neutral urate, even in the presence of excess of acid) is taken up by one-seventh of the volume of water required to dissolve the same quantity of lithium urate. The experience of a number of authors is sufficiently encouraging to justify confidence in the specific curative effect of the remedy Dr. UMPFENBACH believes the compound may prove a valuable diuretic, while some observers record tonic and stimulant effects. The dose is 15 grains per day, divided in acceptable doses, or dissolved in a quart of mineral water which patient may drink *ad libitum.*

MANUFACTURED BY THE

Chemische Fabrik auf Actien (vorm. E. Schering), Berlin.

Write for complete descriptive pamphlets.

Sole Agents and Licensees for America:

LEHN & FINK, NEW YORK.

PEACOCK'S BROMIDES

(SYR: BROM: COMP: PEACOCK.)

Each fluid drachm represents 15 grains of the Combined C. P. Bromides of Potassium, Sodium, Calcium, Ammonium and Lithium.

USES: EPILEPSY, UTERINE CONGESTION, HEADACHE, AND ALL CONGESTIVE, CONVULSIVE AND REFLEX NEUROSES.

This preparation produces results, which can not be obtained from the use of commercial Bromide substitutes.

DOSE.—One to two FLUID drachms, in WATER, three or more times a day.

PEACOCK'S FUCUS MARINA

(ELIX: FUCI MAR: PEACOCK.)

From Sea Weed. **Uses: Malaria, Phthisis, Etc.**

An ALLY of quinine—quinine CHECKS the Malarial Chill; Fucus Marina ELIMINATES the Malarial CAUSE; and thus prevents the recurrence of the Chill *after* it has been *checked* by quinine.

An INVALUABLE REMEDY in the treatment of Phthisis—it arrests the decay of lung tissue, diminishes the fever, lessens the cough, abates the soreness in the lungs, improves the appetite, and impedes the progressive emaciation.

DOSE.—One Teaspoonful IN WATER, four times a day.

CHIONIA FROM CHIONANTHUS.

Uses: Biliousness, Jaundice, Dyspepsia, Constipation, and all Diseases Caused by Hepatic Torpor.

CHIONIA stimulates the Liver and restores it to a healthy condition, without debilitating the system by Catharsis; does not purge, per se, but under its use the Liver and Bowels gradually resume their normal functions.

DOSE.—One Fluid Drachm three times a day.

PEACOCK CHEMICAL CO., ST. LOUIS.

A Theory Demonstrated in Practice,—

THE URIC SOLVENT.

For NEUTRALIZING and ELIMINATING URIC ACID from the BLOOD and thereby removing from the system the disorders caused by it, viz:

DIABETES, BRIGHT'S DISEASE, CYSTITIS, SCIATICA, GOUT, RHEUMATISM, DROPSY, NEURALGIA, AND DISEASES OF THE HEART.

THE URIC SOLVENT is a rational and very effective remedy for all RENAL DISORDERS and those derangements and diseases arising from a defective action of the kidneys. Physicians will find in the URIC SOLVENT a GREAT HELPER in the treatment of the above complaints, it being free from all poisonous drugs. Dispensed by all reliable apothecaries.

PRICE, $1.00 PER BOTTLE.

For URIC SOLVENT Circular, Formula, Treatment, etc., address,

NEW YORK PHARMACEUTICAL CO.,

BEDFORD SPRINGS, MASS.

TWENTY-FIVE YEARS have established the great reputation of

HAYDEN'S

VIBURNUM COMPOUND

IN THE AILMENTS OF WOMEN

and in obstetric practice; it being superior to ERGOT in any and all cases. THE VIBURNUM COMPOUND of Dr. Hayden *antedates* and excels all other special remedies in the cases for which it is recommended, being *perfectly* safe and prompt in action.

Reference: Any of the most distinguished physicians in New York City or elsewhere in this country.

For our two hundred and fifty page illustrated hand-book, "Theory, Practice, and Demonstration," *free* to physicians, only send your address to

THE NEW YORK PHARMACEUTICAL COMPANY,

BEDFORD SPRINGS, MASS.

☞ **Write for H. V. C. and Avoid all Imitations and Substitutes.**

FRELIGH'S TABLETS,

(Cough and Constituent),

FOR THE PREVENTION AND CURE OF

PULMONARY PHTHISIS.

FORMULÆ

Cough Tablets.

EACH TABLET CONTAINS

Morph. Sulph. ($\frac{1}{30}$ gr.), Atropiæ Sulph. ($\frac{1}{300}$ gr.), Codeia ($\frac{1}{50}$ gr.), Antimony Tart. ($\frac{1}{25}$ gr.), Ipecac, Aconite, Pulsatilla, Dulcamara, Causticum, Graphite, Rhus-tox, and Lachesis, fractionally so arranged as to accomplish every indication in any form of cough.

Constituent Tablets.

EACH TABLET CONTAINS

Arsenicum ($\frac{1}{50}$ gr.). Precipitate Carb. of Iron, Phos. Lime, Carb. Lime, Silica, and the other ultimate constituents, according to physiological chemistry (normally), in the human organism, together with Caraccas, Cocoa, and Sugar.

PRICE, THREE DOLLARS PER DOUBLE BOX.

Containing sufficient Tablets of each kind to last from one to three months, according to the condition of the patient.

A Connecticut physician writes:

"I am now using your Tablets on a patient (young lady), who has had three quite severe hemorrhages the week previous to the beginning of the same. She has taken one box only, has had no return of the hemorrhage, and has gained four (4) pounds since beginning treatment, besides all rational symptoms have improved wonderfully. I will add that I had tried Ol Morrh., Syr. Hypophos. Co., etc., with no apparent benefit."

A Virginia physician writes:

"Enclosed find Postal Note for another double box Freligh's Tablets. I used the sample box in three cases, with decided benefit in one, slight improvement in second, and while they did not improve the third case, it being in very advanced stage, there was an amelioration of the distressing symptoms."

A Massachusetts physician, in practice 25 years, writes:

"Send me two double boxes Freligh's Tablets. I have tried the sample box with most excellent results."

A Michigan physician writes:

"I am more than pleased with them. They have not disappointed me once. Dr. C., for whom I ordered a box writes me that he is much improved, and speaks in praise of them. He has genuine Tuberculosis, and while I do not think he can recover, yet I firmly believe the Tablets will prolong his life."

SPECIAL OFFER.

While the above formulæ have been in use, in private practice, over 30 years, and we could give testimonials from well-known clergymen, lawyers, and business men, we prefer to leave them to the unbiased judgment of the profession with the following offer: On receipt of 50 cents, and card, letter-head, bill-head, or other proof that the applicant is a physician in active practice, we will send, delivered, charges prepaid, one of the regular (double) boxes (retail price, Three Dollars), containing sufficient of each kind of Tablets to test them three months (in the majority of cases) in some one case. Card, letter-head, or some proof that the applicant is a physician in active practice, MUST accompany each application. Pamphlet, with full particulars, price-list, etc., on request.

A PHOSPHORIZED

CEREBRO-SPINANT.

(FRELIGH'S TONIC.)

Our Special Offer is still open, to send to any physician, on receipt of 25 cents, and his card or letter-head, half a dozen samples, delivered, charges prepaid. Each sample is sufficient to test it for a week in one case.

As we furnish no samples through the trade, wholesale or retail, for samples, directions, price-lists, etc., address,

I. O. WOODRUFF & CO., Manufacturers of Physicians' Specialties,

88 Maiden Lane, New York City.

Chemically Treated Cocoas.

THE EFFECT ON THE HUMAN SYSTEM

—OF—

Cocoas Manufactured by the Dutch Process.

A writer in the "Hospital Gazette" of London (Aug. 23, 1890), says: "We do not regard all adulterations as equally heinous. When, however, potent chemicals are systematically added, what words can sufficiently convey our indignation! . . . Cocoa of the most excellent quality and of absolute purity is now to be obtained at very reasonable prices; and no purchaser need be at any loss to get an article to which the severest tests can be applied, and which will come out triumphantly from the ordeal. We were, nevertheless, positively startled, not long since, to receive a pamphlet, bearing on its front page the names of some distinguished chemists, and addressed to the medical profession, vaunting some foreign manufactured cocoas which were distinctly stated to contain a considerable addition of alkaline salts. Surely even lay readers do not need to be reminded that soda and potash cannot be taken with impunity day after day."

The Birmingham (England) "Medical Review" for October, 1890, contains an article on "Food and its Adulterations," in which it is stated that "quite apart from any question as to the injury resulting to the human system from taking these salts it would be only right that the medical profession should resolutely discountenance the use of any and all secret preparations confessedly adulterations, and adulterations, too, of a sort not justified by any of the exigencies of the circumstances. . . . Cocoa is only to be recommended as a beverage when it is as pure as possible."

Dr. Sidney Ringer, Professor of Medicine at University College, London, and Physician to the College Hospital, perhaps the greatest English authority on the action of drugs, states in his "Handbook of Therapeutics" that "the sustained administration of alkalies and their carbonates renders the blood, it is said, poorer in solids and in red corpuscles, and impairs the nutrition of the body." Of ammonia, carbonate of ammonia, and spirits of ammonia, he says: "These preparations have many properties in common with the alkaline, potash and soda group. They possess a strong alkaline reaction, are freely soluble in water, have a high diffusion-power, and dissolve the animal textures. . . . If administered too long, they excite catarrh of the stomach and intestines."

IN CHEMICALLY PREPARED COCOAS, the fine **NATURAL COLOR** *and the exquisite odor and flavor of pure cocoa-seeds have been diminished or wholly lost by the severe treatment to which the materials have been subjected. In some cases the loss of the natural flavor is sought to be partially supplied by the use of fragrant gums, wholly foreign to the natural product.*

The detection of these admixtures is generally easy. Comparison with the well-known pure Breakfast Cocoa of Walter Baker & Co. will reveal at once the vast superiority of a product which has not been treated by chemicals, but which contains only the finest possible powder of the best chocolate-seeds freed from the excess of oil. The exquisite flavor and odor of the pure product are due wholly to the seeds themselves, since absolutely no foreign matter is added from first to last. Walter Baker & Co.'s Breakfast Cocoa can be used by students of the microscope and of chemistry as a perfect type of the highest order of excellence in manufacture.

For more than one hundred years this establishment has made its cocoa preparations absolutely pure, using no patent processes, alkalies, or dyes.

Samples of Breakfast Cocoa will be sent free, by mail, on receipt of a request from any Physician in the United States or Canada.

ADDRESS

WALTER BAKER & CO., DORCHESTER, MASS.

DR. MASSEY'S
Private Sanitarium
212 SOUTH FIFTEENTH ST.,

PHILADELPHIA.

This institution, in addition to complete arrangements for the treatment of Nervous Diseases by rest, electricity, massage, etc., under comfortable surroundings, is specially equipped for the treatment of cases of Fibroid Tumors and other intractable diseases of the pelvic viscera, by the conservative use of strong electric currents. For particulars, address

DR. C. BETTON MASSEY,

212 S. Fifteenth St., Philadelphia.

PARRISH'S HOME FOR INVALIDS, at Burlington, N. J.

JOSEPH PARRISH, M.D., Founder and Physician-in-Chief.
WM. G PARRISH, M.D., Associate.

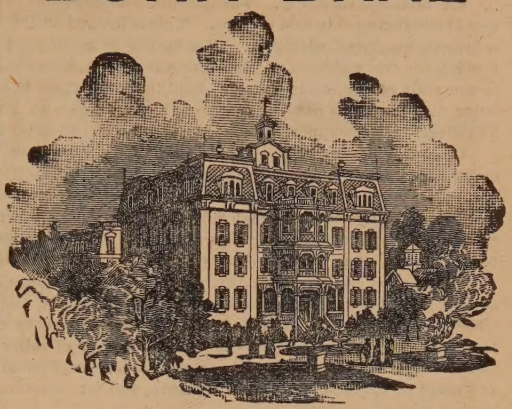
This is emphatically a family home, with the privacy and freedom of domestic life. The patients, being under the counsel and guidance of experienced physicians, may often avoid the alternative of commitment to a public asylum or hospital.

Disappointment, loss of property, grief, mental strain and worry, overwork, excess in the use of stimulants and narcotics, hysteria, are frequently associated with, or complicated by, Neuralgia, Rheumatism, Gout, Dyspepsia, and even Lung troubles, for all of which appliances are available, in the way of Baths—Russian, Medicated, Massage, Electricity, etc., and the *Oxygen Treatment*, the value of which in incipient Throat and Lung Diseases is generally conceded. An attractive feature of the ome treatment is the removal of the family during the summer to a country seat in the vicinity, or to the seaside, mountains, or other resort, accompanied by the superintendent and staff.

Terms are arranged with or for each person according to circumstances and requirements. For further information, call on or address

JOSEPH PARRISH, M.D., Burlington, N. J.

BURN BRAE



A PRIVATE HOSPITAL
FOR MENTAL AND NERVOUS DISEASES.
Founded by the late Robert A. Given, M. D., in 1859.

Extensive and beautiful grounds. Perfect privacy A pleasant, safe and healthful home. Music, games, open-air amusements. The oldest institution of the kind in the United States. Both sexes received. Arrangements made for chronic cases.

Located a few miles west of Philadelphia, at Primos Station, on the P. W. & B. Railroad.

REFERENCES:

Professors H. C. Wood, D. Hayes Agnew, Wm. Pepper, Alfred Stillé, William Goodell, Roberts Bartholow, R. A. F. Penrose, J. M. DaCosta, Charles K. Mills, James Tyson, and Dr. Lawrence Turnbull; Prof. William Osler, of Johns Hopkins University; W. C. Van Bibber, M. D., Baltimore, Md.; W. W Lassiter, M D., Petersburg, Va.

RESIDENT PHYSICIANS: J. Willoughby Phillips, M. D., S. A. Mercer Given, M. D., For further information address

BURN BRAE, Clifton Heights, Delaware Co., Pa.

MEDICO-CHIRURGICAL COLLEGE OF PHILADELPHIA.

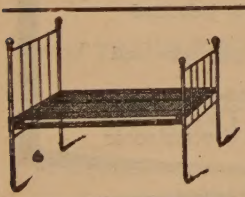
WINTER SESSION will begin October 1st, and continue until May. PRELIMINARY SESSION begins September 7th.

The Curriculum is graded, and a preliminary examination and three Annual Winter Sessions are required. Practical laboratory instruction in Chemistry, Histology, Pathology, Hygiene, Bacteriology, Physiology, with Bedside instruction in Medicine, Surgery, and Gynæcology is a part of the regular cours . Special clinical facilities.

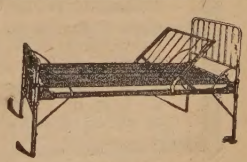
FEES.—Matriculation, $5.00; First and Second Years, each, $75; Third Year, $100; Fourth Year free to those in attendance three sessions, to all others $100.

For announcement or information, apply to

ERNEST LAPLACE, M.D., 1617 Arch Street, Philadelphia, Pa.



WM. F. BERNSTEIN,
Keystone Bedding Manufactory,
N. W. COR. FOURTH AND VINE STS.,
PHILADELPHIA.



Iron Bedsteads, Mattresses, Pillows, etc.

What a boon it would be to the Medical Profession if some reliable Chemist would bring out an Extract of Malt in combination with a well-digested or peptonized Beef, giving us the elements of Beef and the stimulating and nutritious portions of Ale."—J. MILNER FOTHERGILL, M. D.

ALE & BEEF "PEPTONIZED"
Each Bottle Represents 1-4 Pound of Lean Beef Thoroughly Peptonized

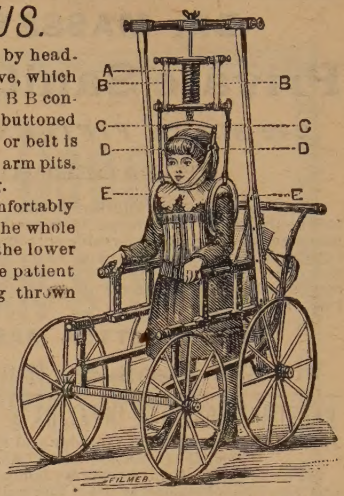
THE IDEAL NUTRIENT AND STIMULANT

INVALUABLE IN CONVALESCENCE

THE ALE AND BEEF CO.
DAYTON, O., U. S. A.

Two full-size bottles sent to any Physician who will pay Express charges.

DR. MEIGS CASE'S SPINAL APPARATUS.



Ex mine cut carefully. The patient, whether child or adult, is suspended by head-rest D embracing chin and occiput. This is hooked on the swivelled beam above, which is attached to spiral spring A. The spring is re inforced by two web elastics B B connecting the two whiffletbars. Leather straps with adjusting buckles at C are buttoned to the ends of the lower bar and hold the wood rings E, to which the corset or belt is secur d. The arms pass freely through the rings with no lifting under the arm pits. The corset or belt supports part of the weight and steadies the body in walking.

Of course the suspension is only partial, no more than the patient can comfortably endure, and the traction is continually varied by the motion of the spring. The whole suspensory apparatus can be raised by the thumb-screw at top, also by slots in the lower end of the upright spars on each side. With the seat thrown back, as in cut, the patient moves the carriage to and fro, turning easily about inside. or the seat being thrown forward, may sit at ease, and play, or read, or be otherwise employed. or may be moved by an attendant, all the while in suspension. A patient suffering from acute Pott's disease, or spinal irritation, and unable to sit up without distress, will remain for hours in this apparatus with perfect comfort, and even fall asleep in the seat by reason of relief from pain. Dr. Case s Apparatus has practically proved itself useful in almost every form and stage of spinal disease and curvature, and for defective innervation and lack of muscular power.

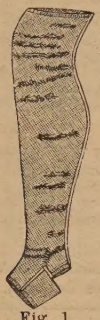


Fig. 1.

THE "MASTER"

SURGICAL ELASTIC STOCKINGS,

FOR VARICOSE VEINS, WEAK AND SWOLLEN JOINTS, DROPSY OF THE LIMBS, SPRAINS, ETC.

Provided with the Patent Non-Elastic **STAYS AND ADJUSTING LOOPS**, by the aid of which they can be drawn on easily, like pulling on a boot. They will last much longer than the old style, as the stays prevent them from being torn apart in drawing them on. All kinds and sizes in thread or silk elastic.

Fig. 1.—The Old Style discarded on account of pulling apart, while the elastic is still in good condition.

Fig. 2.—The New Style cannot pull apart and consequently lasts until worn out.

FOR PRICE-LIST AND FULL PARTICULARS IN REGARD TO SPINAL APPARATUS AND ELASTIC STOCKINGS, APPLY TO

POMEROY TRUSS CO., 785 BROADWAY, N. Y.

Fig. 2.

PREFERABLE TO CORROSIVE SUBLIMATE

Because it is not poisonous

Because it possesses superior antiseptic properties

Because it forms no insoluble compounds with the animal fluids

Because it produces no pain or irritation even of abraded surfaces

For use in all cases and under all circumstances where CORROSIVE SUBLIMATE has hitherto been employed

APPLICABLE WHEREVER AN ANTISEPTIC IRRIGATION or Lotion is indicated and as a Prophylactic and Disinfectant under any and all circumstances

CHLORO PHENIQUE

PERFECTLY MISCIBLE WITH WATER

For washing out the cavities, or THE BLADDER IN CHRONIC CYSTITIS it has no equal

A Non-Irritant Non-Poisonous Antiseptic and Parasiticide of Great Energy

In FOUL WOUNDS, ABSCESSES, SUPPURATING SINUSES, BUBOES, etc., CHLORO-PHÉNIQUE is used to cleanse and to prepare the way for "Campho-Phenique," which latter as a permanent dressing, subdues pain, prevents the formation of pus, and hastens healing in a remarkable manner

PHENIQUE CHEMICAL COMPANY

2715 CASS AVENUE - - - ST. LOUIS, MO.

SPECIFY "BATTLE" WHEN PRESCRIBING OUR PREPARATIONS.

SPECIFY "BATTLE" WHEN PRESCRIBING OUR PREPARATIONS.

BROMIDIA

THE HYPNOTIC.

FORMULA.—Every fluid drachm contains fifteen grains EACH of Pure Chloral Hydrat. and purified Brom. Pot. and one-eighth grain EACH of gen. im. ext. Cannabis Ind. and Hyoscyam.

DOSE.—One-half to one fluid drachm in WATER or SYRUP every hour, until sleep is produced.

INDICATIONS.—Sleeplessness, Nervousness, Neuralgia, Headache, Convulsions, Colic, Mania, Epilepsy, Irritability, etc. In the restlessness and delirium of fevers it is absolutely invaluable.

IT DOES NOT LOCK UP THE SECRETIONS.

PAPINE

THE ANODYNE.

Papine is the Anodyne or Pain-relieving Principle of Opium, the Narcotic and Convulsive Elements being Eliminated. It has Less Tendency to Cause Nausea, Vomiting, Constipation, etc.

INDICATIONS.—Same as Opium or Morphia.

DOSE.—ONE FLUID DRACHM—(represents the Anodyne principle of one-eighth grain of Morphia.)

IODIA

THE ALTERATIVE AND UTERINE TONIC.

FORMULA.—Iodia is a combination of active principles obtained from the Green Roots of Stillingia, Helonias, Saxifraga, Menispermum and Aromatics. Each fluid drachm also contains five grains Iod. Potas., and three grains Phos. Iron.

DOSE.—One or two fluid drachms (more or less as indicated) three times a day, before meals.

INDICATIONS.—Syphilitic, Scrofulous and Cutaneous Diseases, Dysmenorrhea, Menorrhagia, Leucorrhea, Amenorrhea, Impaired Vitality, Habitual Abortions and General Uterine Debility.

J. FEHR'S

"COMPOUND TALCUM" * * * * "BABY POWDER,"

THE

"HYGIENIC DERMAL POWDER"

FOR

INFANTS AND ADULTS.

COMPOSITION:—Silicate of Magnesia with Carbolic and Salicylic Acids.

PROPERTIES:—Antiseptic, Antizymotic, and Disinfectant.

Useful as a **GENERAL SPRINKLING POWDER**, with positive Hygienic, Prophylactic, and Therapeutic properties.

GOOD IN ALL AFFECTIONS OF THE SKIN.

PER BOX, PLAIN, 25 Cents; PERFUMED, 50 Cents.
PER DOZ., PLAIN, $1.75; PERFUMED, $3.50.

SOLD BY THE DRUG TRADE GENERALLY.

MANUFACTURER:

JULIUS FEHR, M.D.,

Ancient Pharmacist, **HOBOKEN, N. J.**

Only advertised in Medical and Pharmaceutical prints.

WM. PROCTER, JR., CO., PHILADELPHIA.

EFFERVESCENT APERIENT PHOSPHATES.

NEEDS ONLY A TRIAL.

Aperient, Laxative and Hepatic Stimulant.

VINUM DIGESTIVUM.

A Saturated, Acidulated Solution of Pepsin. Active and Agreeable.

UNCHANGEABLE PEPSIN PREPARATIONS.

ESTABLISHED 1849.

D. W. KOLBE & SON,

MANUFACTURERS OF

Surgical & Orthopaedical Instruments,

ARTIFICIAL LIMBS.

1207 Arch Street, Philadelphia, Pa.

Formerly South Ninth St.
Antiguamente South Nineth St.

PRIVATE RECEPTION ROOMS FOR LADIES.

Trusses,
Bandages,
Shoulder Braces,
Abdominal Supporters,
Elastic Stockings,
Apparatus for Deformities,
Crutches and all Appliances for the Human Frame.

SVAPNIA

OR

PURIFIED OPIUM

FOR PHYSICIANS USE ONLY.

Contains the Anodyne and Soporific Alkaloids, Codeia, Narceia and Morphia.

Excludes the Poisonous and Convulsive Alkaloids, Thebaine, Narcotine and Papaverine.

SVAPNIA has been in steadily increasing use for over twenty years, and whenever used has given great satisfaction.

To PHYSICIANS OF REPUTE, not already acquainted with its merits, samples will be mailed on application.

SVAPNIA is made to conform to a uniform standard of Opium of Ten per cent. Morphia strength.

JOHN FARR, Manufacturing Chemist, New York.

C. N. CRITTENTON, Gen'l Agent, 115 Fulton St., N. Y.

To whom all orders for samples must be addressed.

SVAPNIA IS FOR SALE BY DRUGGISTS GENERALLY.

"THE BEST OF AMERICAN."

PLANTEN'S CAPSULES.

Known as Reliable over 50 Years. remium for "General Excellence in Manufacture."

H. PLANTEN & SON (Established 1836), NEW YORK

Manufacturers of the Highest Grades of

FILLED CAPSULES of all Kinds—HARD; ELASTIC-SOFT; PEARLS and GLOBULES.

Some Specialties: Sandalwood (Pure), Sandalwood, 1-10 Cassia, Compound Sandal, Iodide Ethyl, Apiol, Terebene, Erigeron, etc., etc.

Planten's Sandal have an Enviable World Reputation for Reliability.

Empty for Powders, Solids, Liquids, Rectal, Vaginal. Empty for Horse and Cattle Medicines. Empty for Mechanical Purposes.

SOLD BY ALL DRUGGISTS IN ALL PARTS OF THE WORLD.

N. B.—We make all kinds of Capsules to order.

Specify PLANTEN'S on all Orders

THE BEST ARE THE CHEAPEST.

New articles and Private Formulas a Specialty.

THE BEST ANTISEPTIC
FOR BOTH INTERNAL AND EXTERNAL USE.

ANTISEPTIC, PROPHYLACTIC, DEODORANT.

LISTERINE

NON-TOXIC, NON-IRRITANT, NON-ESCHAROTIC.

FORMULA—Listerine is the essential antiseptic constituent of Thyme, Eucalyptus, Baptisia, Gaultheria and Mentha Arvensis, in combination. Each fluid drachm also contains two grains of refined and purified Benzo-boracic Acid.

DOSE—Internally: One teaspoonful three or more times a day (as indicated) either full strength, or diluted, as necessary for varied conditions.

LISTERINE is a well-proven antiseptic agent—an antizymotic—especially adapted to internal use, and to make and maintain surgical cleanliness—asepsis—in the treatment of all parts of the human body, whether by spray, irrigation, atomization, or simple local application, and therefore characterized by its particular adaptability to the field of

PREVENTIVE MEDICINE—INDIVIDUAL PROPHYLAXIS.

Diseases of the Uric Acid Diathesis.

LAMBERT'S
LITHIATED HYDRANGEA
KIDNEY ALTERATIVE—ANTI-LITHIC.

FORMULA—Each fluid drachm of "Lithiated Hydrangea" represents thirty grains of FRESH HYDRANGEA and three grains of CHEMICALLY PURE Benzo-Salicylate of Lithia. Prepared by our improved process of osmosis, it is INVARIABLY of DEFINITE and UNIFORM therapeutic strength, and hence can be depended upon in clinical practice.

DOSE—One or two teaspoonfuls four times a day (preferably between meals).

Urinary Calculus, Gout, Rheumatism, Bright's Disease, Diabetes, Cystitis, Hæmaturia Albuminuria, and Vesical irritations generally.

We have much valuable literature upon { GENERAL ANTISEPTIC TREATMENT, LITHEMIA, DIABETES, CYSTITIS, ETC. } To forward to Physicians upon request.

LAMBERT PHARMACAL CO., ST. LOUIS, MO.

GOOD RESOLUTIONS FOR 1892.

RESOLVED, That we, the Medical Profession, acknowledge our indebtedness to Dr. CARL L. JENSEN as the pioneer in preparing for us a pepsin which completely overcame the objectionable features of the earlier and crude forms, and gave the initial impetus to its many uses.

RESOLVED, That crystal pepsin having been long submitted to many and severe tests, both chemical and clinical, we acknowledge JENSEN'S pepsin to possess great digestive power, retaining its strength permanently; that being soluble, it is remarkably speedy and potent in action, and that it has uniformly given us the best satisfaction, whether used internally or externally.

Carl L. Jensen's

RESOLVED, That JENSEN'S pepsin is entitled to its well earned reputation, and that we will not give our support to those who wrongfully attempt to profit by Jensen's discovery, his years of labor, and large expenditure of money; we, therefore, discountenance the use of such pepsins as are imitations of Jensen's process and product.

RESOLVED, That as JENSEN'S pepsin has been proved the BEST in the market, we, therefore, recognize it as the STANDARD.

RESOLVED, That in our further use of pepsin we will individually and as a body prescribe and use JENSEN'S pepsin in our practice and in our endeavors to enlarge the field of its usefulness.

RESOLVED, That a copy of these resolutions be printed in all the leading Medical Journals and that the name and address of the manufacturers be given, thus:

CARL L. JENSEN CO.,
100 Maiden Lane, New York.

Send for "Important Notes on Pepsin," and samples.

APIOLIN-CHAPOTEAUT.

The True Active Principle of Parsley.

Professor Laborde's (Paris) experiments on animals indicate that it "stimulates the circulatory apparatus, causing uterine vascular congestion and excitement of the reflex and vaso-motor centres. The general conclusion, therefore, from a practical point of view, is that the drug is indicated in certain cases of genito-spinal atony and especially in dysmenorrhœa.—*Un. Med. Mag.*

Shoemaker's Materia Medica and Therapeutics says:

"In cases of scanty or deficient menstruation with pain, etc., one capsule can be given after meals, thrice daily for a week before the expected period, as recommended by Dr. Fordyce Barker.

℞ Apiolini grm. IV. (about ʒj),
ft. Capsule No. xx (Chapoteaut).
Sig: Take three each day during the week preceding menstruation.

"It is especially appropriate when amenorrhœa depends upon anæmia."

Dr. R. Hill, before the Washington, D.C., Medical Society, Feb. 16, 1891, reported five cases of dysmenorrhœa treated by him at the Central Dispensary and concludes the paper in these words: "Apiolin is decidedly the most reliable drug that I have yet used in dysmenorrhœa. In all the cases I have so treated, relief has invariably resulted.

In phials of 24 capsules containing 20 centigrammes of Apiolin in each, $1.00.

MORRHUOL.

Morrhuol (Extractum Olei Morrhuæ Alcoholicum), is dispensed in capsules, each of which represents the medicinal qualities of one teaspoonful of Cod Liver Oil.

PRINCIPAL EFFECTS.—Increase of appetite, abatement of cough, regularity of digestion and stools, promotion of sound sleep, and strength.

THERAPEUTIC APPLICATION.—In Bronchitis, Rickets, Scrofula, and wherever Cod Liver Oil is usually exhibited with advantage.

Professor German Sée says: "I employ with success a special extract of Cod Liver Oil known as Morrhuol, one gramme of which represents 25 of the crude drug. It is certain that this remedy is not only tolerated but absorbed, and that its anti-emaciative properties are the same as the oil."—*Regime Alimentaire.*

Dr. Lafage writes: "Under the influence of Morrhuol (6 to 8 capsules in 24 hours) the cough is rapidly lessened in violence, the appetite returns, the assimilation of food becomes more perfect, the complexion improves in tint and the patient experiences an increase of strength."—*Bulletin Thérapeutique.*

One hundred capsules, $1.00.

MORRHUOL CRÉOSOTÉ.

"By dissolving pure creosote in Morrhuol, which is not fatty, but has all the remedial properties of Cod Liver Oil, the assimilation of creosote is considerably facilitated.

"*Morrhuol Créosoté* (*Chapoteaut*) is dispensed in small, spherical capsules containing in each three grains of Morrhuol (the active principle of Cod Liver Oil), with one grain of pure beechwood creosote (the richest in guaiacol).

"While partaking of the hyperalimentary character of Cod Liver Oil, and of the specific microbicide action of creosote, we have in *Morrhuol Créosoté* a remedy which will prove under suitable hygienic conditions to be of great value in the treatment of pulmonary phthisis."—*Tribune Medicale*, Jan., 1889.

Original bottles, $1.00.

SANTAL-MIDY.

In gonorrhœa and all forms of urethritis *Santal-Midy* replaces copaiba, cubebs, and the ordinary remedies, without producing eructations, offensive odor, or diarrhœa, and the discharge is reduced to a slight oozing in 48 hours.

In chronic catarrh and suppurating nephritis, *Santal-Midy* has a soothing action on the mucous surfaces, it rapidly diminishes the secretion of pus, it assists the elimination of urine in nephritic colic and cures the most obstinate cases of cystitis and inflammation of the neck of the bladder.

Dr. Posner stated before the Berlin Medical Society: "Much depended on the purity of Sandal Oil, many qualities of which are found in commerce. The best form was the French preparation known as *Santal-Midy*, put up in elegant little capsules, which were easily taken and well supported."—*Medical Record.*

Santal-Midy is distilled from the best Mysore sandal wood, and is dispensed in small, spherical capsules. Dose, 6 to 12 capsules daily. Original bottles contain 40 capsules. $1.00.

THE ABOVE ARE MANUFACTURED IN THE LABORATORIES OF

RIGAUD & CHAPOTEAUT, Paris.

Importers, E. FOUGERA & CO., New York.

☞ **From whom samples and literature may be obtained on application.**

THE FIRST RAW FOOD EXTRACT.

(Introduced to the Medical Profession in 1878.)

BOVININE

THE VITAL PRINCIPLES OF BEEF CONCENTRATED.

CONTAINING 26 PER CENT. OF COAGULABLE ALBUMEN.

AN IDEAL FOOD. PALATABLE. KEEPS PERFECTLY.

BOVININE consists of the Juices of Lean Raw Beef obtained by a mechanical process, neither heat nor acid being used in its preparation. The nutritious elements of lean raw beef are thus presented in a concentrated solution, no disintegration or destruction of the albumen having taken place. The proteids in solution amount to 26 per cent. of the weight of the preparation, and give to it the great dietetic value it possesses in all conditions where a concentrated and readily assimilable food is needed.

BOVININE is easily digested and COMPLETELY absorbed from the intestinal tract, thus furnishing an extremely valuable nutrient in Typhoid Fever, after surgical operations in the abdominal regions, in all diseased conditions of the intestinal tract characterized by ulceration or acute and chronic inflammation, and in diarrhœic complaints.

BOVININE, containing as it does all the nutrient properties of lean raw beef in a highly concentrated form, furnishes to the Medical Profession a reliable and valuable aid to treatment in Phthisis, Marasmus of both young and old, in all wasting diseases, in continued fevers, and in supporting treatment.

BOVININE, on account of its BLOOD-MAKING PROPERTIES is *especially* of service after surgical operations, in cases of severe injuries attended with great loss of blood, and in the puerperal state.

BOVININE, for rectal feeding, is unsurpassed in excellence, having been used for weeks continuously with no irritation or disturbance resulting. The most satisfactory results from its use as an enema are obtained by adding to each ounce of **BOVININE** ten grains of Pancreatic Extract and two ounces of water. This should be well mixed and injected slowly. No preparation of opium is necessary in the enema.

SAMPLES will be furnished to any member of the Medical Profession free, carriage paid, upon application to the company.

PREPARED ONLY BY

THE J. P. BUSH MANUFACTURING COMPANY,

CHICAGO AND NEW YORK, U. S. A.

DEPOT FOR GREAT BRITAIN:

32 SNOW HILL, LONDON, E. C.

OR

Carnrick's Kumyss Tablets

A PRODUCT OF PURE, SWEET MILK, PALATABLE, NUTRITIOUS,
EASILY DIGESTED,
AND WHEN DISSOLVED IN WATER FORMS
A DELICIOUS EFFERVESCENT KUMYSS.

Put up in air-tight bottles, in two sizes; the larger holding sufficient Tablets for seven twelve-ounce bottles, and the smaller sufficient for three twelve-ounce bottles of Kumyss.

THIS PREPARATION is presented to the Medical Profession in the convenient form of Tablets, and will be found superior in every respect to ordinary *Kumyss*, *Wine of Milk*, *Fermented Milk*, or any similar preparation.

Kumysgen when prepared for use contains every constituent of a perfect Kumyss.

Kumysgen is made from fresh, sweet milk, and contains fully thirty per cent. of soluble casein, which is double the amount found in ordinary Kumyss preparations.

Kumysgen being in Tablet form, will keep indefinitely, is easily and readily prepared, less expensive than the ordinary variable and perishable Kumyss, and its *fermentative action* may be regulated at will, thus rendering it available at all times and under all circumstances.

Clinical tests gathered from every quarter of the globe attest its special value in all cases of *Gastric* and *Intestinal Indigestion* or *Dyspepsia*, *Pulmonary Consumption*, *Constipation*, *Gastric and Intestinal Catarrh*, *Fevers*, *Anæmia*, *Chlorosis*, *Rickets*, *Scrofula*, *Vomiting in Pregnancy*, *Bright's Disease*, *Intestinal Ailments of Infants*, *Cholera Infantum; or young children and for convalescents from all diseases.*

The casein being finely subdivided, it is especially valuable for all who require an easily digested or a partially digested Food.

Kumysgen is a delicious effervescent Food-Beverage, relished alike by the sick or well.

Kumysgen is tonic, stimulant, diuretic, highly nutritious, easily digested, perfectly palatable, and always *permanent* and *uniform* in strength.

SAMPLE SENT ON REQUEST.

MANUFACTURED BY

REED & CARNRICK, New York.

Box 3042.

Most Powerful Purgative Water Known

1/4 THE QUANTITY REQUIRED BY OTHERS

ABSOLUTELY HARMLESS AS IT CONTAINS ALMOST EXCLUSIVELY SULPHATE OF SODA.

NO REPULSIVE SMELL NOR BITTER TASTE

NO GRIPES

VILLACABRAS

NO PAIN

NOT FOLLOWED BY CONSTIPATION

CAN BE TAKEN INDEFINITELY AS A LAXATIVE WITHOUT ILL EFFECTS.

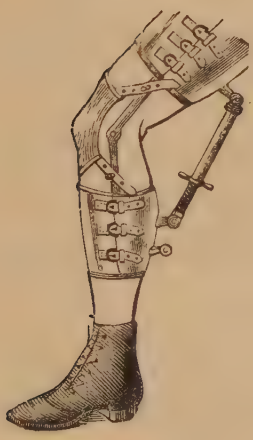
INVALUABLE IN LONG STANDING CASES OF STUBBORN CONSTIPATION.

INFANTS AND ADULTS.

GOURD & TOURNADE, Sole Agents

25 & 27 S. WILLIAM STREET, N. Y.

ORTHOPÆDIC APPARATUS.



TRUSSES AND ELASTIC HOSIERY.

E. A. YARNALL COMPANY,

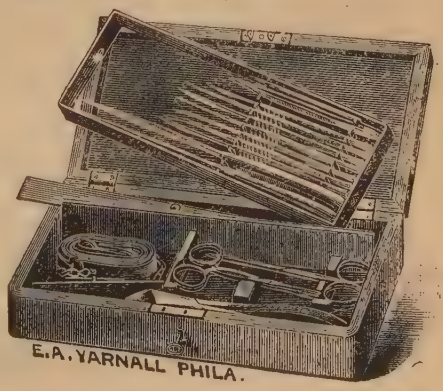
1020 Walnut St.,

PHILADELPHIA, PA.

SEND FOR CIRCULAR.

ASEPTIC OPERATING CASES.

Case No. 4, ...	*$25.00*
Case No. 15, ...	*48.00*
Case No. 16, ...	*70.00*



Platt's Chlorides,

The True Disinfectant.

Eleven years of practical daily use, by tens of thousands of intelligent physicians, and by hundreds of thousands of careful housekeepers, has established beyond doubt the value, the usefulness, and the superiority of Platt's Chlorides.

An odorless liquid, clean, stainless, powerful, efficient, and economical, it is peculiarly adapted to all the sanitary needs of the sick-room, and the hygienic demands of the household.

Platt's Chlorides is sold in quart bottles only, and by nearly every apothecary in every city, town or village in the United States. Should there be any practicing physician anywhere who m aynot as yet personally know its value, a sample with descriptive circulars, etc., will be gladly furnished free. Address, giving both Post and Express Offices,

HENRY B. PLATT, 36 Platt St., N. Y.

JOHNSTON'S FLUID BEEF.

This preparation of beef has won the favor of medical men and others who have witnessed its beneficial effects. Whilst all other extracts of beef contain only the soluble elements of the flesh, and are, therefore, useful only for their *stimulating* effects on the system, JOHNSTON'S EXTRACT (or FLUID BEEF) contains within itself the entire *nutritive* properties of the best beef, assuring both the *stimulating* and *strengthening* properties of a meat diet.

It is *unmedicated*, and is not offered as in any sense a medicine. Dr. Harkness, whose analysis we present, pronounces JOHNSTON'S FLUID BEEF a *perfect food.*

By WM. HARKNESS, F.C.S.L., Analytical Chemist to the British Government.

LABORATORY, Somerest House, London, Eng.

I have made a very careful chemical analysis and microscopical examination of JOHNSTON'S FLUID BEEF, and find it to contain in every 100 parts—

Moisture,	26.14	
Albumen and Gelatin,	21.81	Nitrogenous or
Fibrin in a readily-soluble form,	37.48	flesh-forming food.
Ash or Mineral Matter,	14.57—100.00.	

The mineral matter is rich in phosphates. The microscopical examination shows the FLUID BEEF to contain good sound beef, ground to a very fine powder. There is not the slightest trace of fungus, spores, or any other organism which would tend to produce decomposition. I consider this a most valuable preparation *combining, as it does, a concentrated Extract of Beef with the solid beef itself,*—the latter being in a form easily digested.

JOHNSTON'S FLUID BEEF IS A SUBSTANTIAL FOOD FOR BRAIN, NERVE, BONE AND MUSCLE.

JOHNSTON'S FLUID BEEF IS THE HIGHEST FORM OF NUTRIMENT ADAPTED TO THE FEEBLEST DIGESTIVE POWERS.

Many of our most eminent physicians are prescribing this Extract, and have testified their satisfaction as to the results obtained. GENERAL AGENTS FOR THE UNITED STATES,

ROBERT SHOEMAKER & CO.,

IMPORTING AND MANUFACTURING DRUGGISTS,

201 and 203 NORTH FOURTH STREET, PHILADELPHIA.

WILLIAM R. WARNER & CO.

(FOUNDED 1856.)

Be Careful to Avoid Substitutions for Warner & Co.'s

Soluble Coated Pills.

(COATING SOLUBLE IN FIVE MINUTES.)

TEST OF

SOLUBILITY.

PERFECTION OF

PILL COATING.

Fourteen World's Fair Medals for Superiority Awarded to

WILLIAM R. WARNER & CO., 1228 Market St., Philadelphia.

PILLS SENT BY MAIL ON RECEIPT OF PRICE.

A MENSTRUUM.

HORSFORD'S ACID PHOSPHATE.

This preparation has been found especially serviceable as a menstruum for the administration of such alkaloids as morphine, quinine and other organic bases which are usually exhibited in acid combination.

The admixture with pepsin has been introduced with advantage when indicated.

The Acid Phosphate does not disarrange the stomach, but, on the contrary, promotes in a marked degree the process of digestion.

Dr. R. S. MILES, Glencoe, Minn., says: "I use it in a great many cases as a menstruum for quinine, when an acid is necessary."

Send for descriptive circular. Physicians who wish to test it will be furnished a bottle on application, without expense, except express charges.

Prepared under the direction of Prof. E. N. HORSFORD, by the

RUMFORD CHEMICAL WORKS, Providence, R. I.

BEWARE OF SUBSTITUTES AND IMITATIONS.

CAUTION:—Be sure the word "HORSFORD'S" is PRINTED on the label. All others are spurious.

NEVER SOLD IN BULK.

Dr. Wm. A. Hammond's Sanitarium for Treatment of Diseases of Nervous System, 14th St. and Sheridan Ave., Washington, D. C.

DR. WM. A. HAMMOND,

WASHINGTON, D. C.,

Surgeon-General U S. Army (retired), formerly Professor of Diseases of the Mind and Nervous System in the University of New York, etc. says:

"I have for some time made use of the

BUFFALO LITHIA WATER

in cases of affections of the nervous system, complicated with Bright's Disease of the Kidneys or with a gouty diathesis. The results have been eminently satisfactory. Lithia has for many years been a favorite with me in like cases, but the

Buffalo Lithia Water Acts Better than Any Extemporaneous Solution

of the Lithia salts, and is moreover, better borne by the stomach. I also often prescribe it in those cases of cerebral hyperæmia resulting from over mental work—in which the condition called nervous dyspepsia exists—and generally with marked benefit."

Water in cases of one dozen half-gallon bottles, $5.00, f. o. b. here. For sale by all first-class druggists.

THOMAS F. GOODE, PROPRIETOR,

BUFFALO LITHIA SPRINGS, VA.

THE "PERFECTION" PHYSICIANS' CHAIR & TABLE.

MINER & ELBREG,

MANUFACTURERS AND PROPRIETORS,

224 TO 230 SOUTH DELAWARE ST., INDIANAPOLIS, IND.

PRICES AND TERMS ON APPLICATION.

A WINEGLASSFUL OF

GENOIS'

Diastasic Extract of Malt

Taken after each meal and at bedtime will assist the digestion, increase the appetite, and induce a sound and refreshing sleep.

QUICKINE

OUR NEW ANTISEPTIC, ANTIPYRETIC AND ANTIZYMOTIC.

IS RAPIDLY COMING INTO DAILY USE.

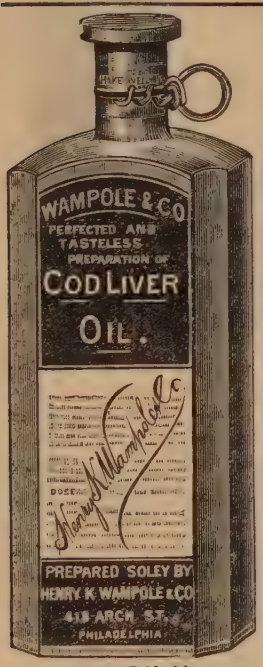
DR. CHICHESTER writes: "I get splendid results from its use. Quickine is a great convenience, of inestimable value in a physician's office."

DR. J. B. CONKLIN writes: "It has no equal."

DR. F. E. MILLER writes: "Every physician in the civilized world will be glad to use it"

We have received reports already from over 1000 physicians recommending the use of **QUICKINE** in diseases of the throat, nose, eye, and ear, parasitical skin diseases, sores, ulcers, etc., used externally as a spray, gargle, injection, wash, etc., and in the various fevers and germ diseases used internally.

QUICKINE is put up in one style only, 8 oz. bottles, and we guarantee its absolute accuracy and uniformity. It is pronounced an ideal remedy for a physician's use, both in his office business and in prescribing. Is advertised strictly and only to the medical profession, and sold by first class druggists everywhere at about 40 cents a bottle. Pamphlet and testimonials mailed free. STANDARD CHEMICAL CO., JERSEY CITY, N. J.



HENRY K.
WAMPOLE and CO.
Manf'g Pharmacists,
PHILADELPHIA

Wampole's Perfected and Tasteless Preparation of Cod Liver Oil.

Combined with Extract of Malt, Fluid Extract of Wild Cherry Bark and Syrup Hypophosphites Compound (containing Lime, Soda, Potassium, Iron, Manganese, Quinine, and Strychnia).

Containing the curative agents from 25 per cent. Pure Norwegian Cod Liver Oil. Rendered pleasant and agreeable by the addition of choice Aromatics. For full directions see circular surrounding bottle.

We invite your attention to the "fac simile" of an Analysis made by Charles M. Cresson, M.D., certifying to the value and efficacy of this Preparation, and which we have printed on the back of our circular.

NUTRITIVE. TONIC. STIMULANT.

Put up in 1 pound bottles, $8.00 per dozen, net.
Put up in 5-pint bottles for convenience in dispensing, and as a regular stock bottle. 5-pint bottles, each $3.00, net.

WAMPOLE'S Compound Syrup of Hypophosphites

Put up in 16-ounce bottles, full measure, $8.00 per dozen, net.

Put up in 5-pint bottles for convenience in dispensing, and as a regular stock bottle.

5-pint bottles, each $3.00, net.

WAMPOLE'S Concentrated Extract of Malt.

A Pleasant and Agreeable Preparation of Malted Barley with Hops.

The bitter taste may be objectionable to some, and, if so, the Extract may be rendered pleasant and palatable by the addition of Sugar.

Price, $2.00 per dozen, net.
Retail, 25c. per bottle.

Wampole's Syrup Hydriodic Acid

(PERMANENT),

GUARANTEED UNALTERABLE.

Each Fluid Ounce contains in Tasteless and Unchangeable Syrup, 6.72 Grs. Hydriodic Acid, thus representing 6.66 Grs. of Iodine.

Price, $8.00 per doz.
In 1 lb. bottles only.

Wampole's Granular Effervescent Bromo-Pyrine.

Containing in Each Heaping Teaspoonful:

Caffein Hydrobromate,	1 Gr.
Antipyrene,	3 Grs.
Sodium Bromide,	15 Grs.

Special Combinations Speedily and Carefully Prepared.

DR. McMUNN'S ELIXIR OF OPIUM

AN INVALUABLE DISCOVERY IN THE PREPARATION OF OPIUM.

This is the Pure and Essential Extract from the Native Drug.

It contains all the valuable medicinal properties of Opium in natural combination, to the exclusion of all its noxious, deleterious, useless principles upon which its bad effects depend.

It possesses all the sedative, anodyne, and antispasmodic powers of Opium

To produce sleep and composure;
To relieve pain and irritation, nervous excitement and morbid irritability of body and mind
To allay convulsive and spasmodic actions, etc., etc.

And being purified from all the noxious and deleterious elements, its operation is attended by

No sickness of the stomach, no vomiting, no costiveness, no headache,
Nor any derangement of the constitution or general health.

Hence its high superiority over Laudanum, Paregoric, Black Drop, Denarcotized Laudanum and every other Opiate preparation.

E. FERRETT, Agent, 372 Pearl Street, New York.

PAPOID (VEGETABLE PEPSIN)

CHRONIC STOMACH CATARRH

℞ PAPOID gr. jss ;
Sacch. lactis gr. j ;
Sodæ bicarb gr. v.
M. f. pulv. i. Dose, one before each meal

ACUTE GASTRITIS (ADULTS.)

℞ PAPOID gr. V.

JOHNSON & JOHNSON
N. Y.

"I believe that Ponca Compound has a more decided alterative action upon the uterus and uterine mucous membranes than any known remedy. Under its internal administration I have seen long standing ulcerations heal, foul discharges cease, a spongy, inflamed and enlarged uterus reduced in size and become firm and healthy. In subinvolution it is invaluable, soon relieving such symptoms as headache, backache, sideache, bearing down feelings, bladder troubles, bloated abdomen, indigestion, constipation and many others that are a consequence of this condition."

R. M. HUTCHINS, M. D.

FORMULA:—Ext. Ponca, 3 grs.; Ext. Mitchella Repens, 1 gr.; Caulophyllin, ½ gr.; Helonin, ⅛ gr.; Viburnin, ⅛ gr.

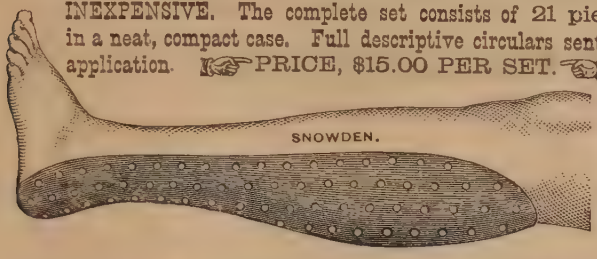
DOSE:—One Tablet four times a day.

100 Tablets will be mailed upon receipt of $1.00.

MELLIER DRUG CO., 109 & 111 Walnut St., St. Louis.

LEVIS'S METALLIC SPLINTS.

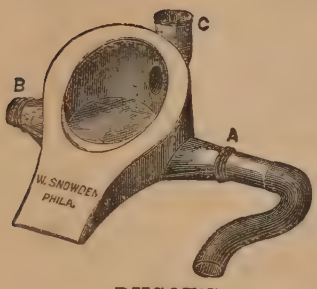
FLEXIBLE, PERFORATED, NICKEL-PLATED, Conformable to every size and condition of Limbs. VERY LIGHT, INDESTRUCTIBLE, and INEXPENSIVE. The complete set consists of 21 pieces in a neat, compact case. Full descriptive circulars sent on application. ☞PRICE, $15.00 PER SET.☜



The Polyclinic Never-Leaking Ether Bottle,

Price, $1.00.

NEW STYLE A FLAT BOTTLE



DUGOT'S COMBINATION DOUCHE AND BED PAN,

Price, - - $5.00.

ALLIS' DRY DISSECTOR,

For Tearing Tissues and Separating Muscles, Loosening Adhesions, Scraping Away the Periosteum, etc.

Price, - - $1.13.

[See article by Prof. W. W. Keen in "The American Journal of the Medical Sciences," January, 1891.]

WILLIAM SNOWDEN,

MANUFACTURER OF

SURGICAL INSTRUMENTS,

121 S. Eleventh St., Philadelphia.

A TEXT-BOOK OF

DISEASES OF THE SKIN,

By JOHN V. SHOEMAKER, A.M., M.D.,

Professor of Skin and Venereal Diseases in the Medico-Chirurgical College and Hospital of Philadelphia; Physician to the Philadelphia Hospital for Diseases of the Skin; Member of the American Medical Association, of the Pennsylvania and Minnesota State Medical Societies, of the American Academy of Medicine, and of the British Medical Association; Fellow of the Medical Society of London.

8vo. With Six Chromo-Lithographs and Numerous Engravings. Price, in Cloth, $5.00, Postage Prepaid.

"It is everything a text-book should be, concise, clear, exhaustive, and well illustrated."—*Nashville Journal of Medicine and Surgery.*

"This book has an advantage, for the general reader, over most works on diseases of the skin, in that the new dermatological technical words and phrases are dispensed with as much as possible. The treatment recommended is such as almost any practitioner may carry out."—*Journal of the American Medical Association.*

"The descriptions of the clinical features of the different diseases, their differential diagnosis, etiology, and pathology are clear, concise, and sufficiently complete. The therapeutical part of the book constitutes its distinctive and most noteworthy feature."—*Journal of Cutaneous and Genito-Urinary Diseases.*

"The description of the therapeutics of the drugs and substances employed is very full, and leaves nothing to be desired."—*London Medical Press and Circular.*

THE F. A. DAVIS CO., Medical Publishers, 1231 Filbert St., Philadelphia, Pa.

Medical Publications of F. A. Davis, Philadelphia.

CLEVENGER

Spinal Concussion.

SURGICALLY CONSIDERED AS A CAUSE OF SPINAL INJURY, AND NEUROLOGICALLY RESTRICTED TO A CERTAIN SYMPTOM GROUP, FOR WHICH IS SUGGESTED THE DESIGNATION ERICHSEN'S DISEASE, AS ONE FORM OF THE TRAUMATIC NEUROSES.

By S. V. CLEVENGER, M.D., Consulting Physician Reese and Alexian Hospitals; Late Pathologist County Insane Asylum, Chicago; Member of numerous American Scientific and Medical Societies; Collaborator American Naturalist, Alienist and Neurologist, Journal of Neurology and Psychiatry, Journal of Nervous and Mental Diseases; author of "Comparative Physiology and Psychology," "Artistic Anatomy," etc.

This work is the outcome of five years' special study and experience in legal circles, clinics, hospital and private practice, in addition to twenty years' labor as a scientific student, writer, and teacher.

The literature of Spinal Concussion has been increasing of late years to an unwieldy shape for the general student, and Dr. Clevenger has in this work arranged and reviewed all that has been done by observers since the days of Erichsen and those who preceded him.

There are abundant illustrations, particularly for Electro-diagnosis, and to enable a clear comprehension of the anatomical and pathological relations.

The Chapters are: I. Historical Introduction; II. Erichsen on Spinal Concussion; III. Page on Injuries of the Spine and Spinal Cord; IV. Recent Discussions of Spinal Concussion; V. Oppenheim on Traumatic Neuroses; VI. Illustrative Cases from Original and all other Sources; VII. Traumatic Insanity; VIII. The Spinal Column; IX. Symptoms; X. Diagnosis; XI. Pathology; XII. Treatment; XIII. Medico-legal Considerations.

Other special features consist in a description of modern methods of diagnosis by Electricity, a discussion of the controversy concerning hysteria, and the author's original pathological view that the lesion is one involving the spinal sympathetic nervous system. In this latter respect entirely new ground is taken, and the diversity of opinion concerning the functional and organic nature of the disease is afforded a basis for reconciliation.

Every Physician and Lawyer should own this work.

In one handsome Royal Octavo Volume of nearly 400 pages, with thirty Wood-Engravings.

Price, post-paid, in United States and Canada, $2.50, net; in Great Britain, 14s.; in France, 15 fr.

The reader will find in this book the best discussion and summary of the facts on this topic, which will make it very valuable to every physician. For the specialist it is a text-book that will be often consulted.—*The Journal of Inebriety.*

The work comes fully up to the demand, and the law and medical library, to be complete, cannot be without it.—*Southern Medical Record.*

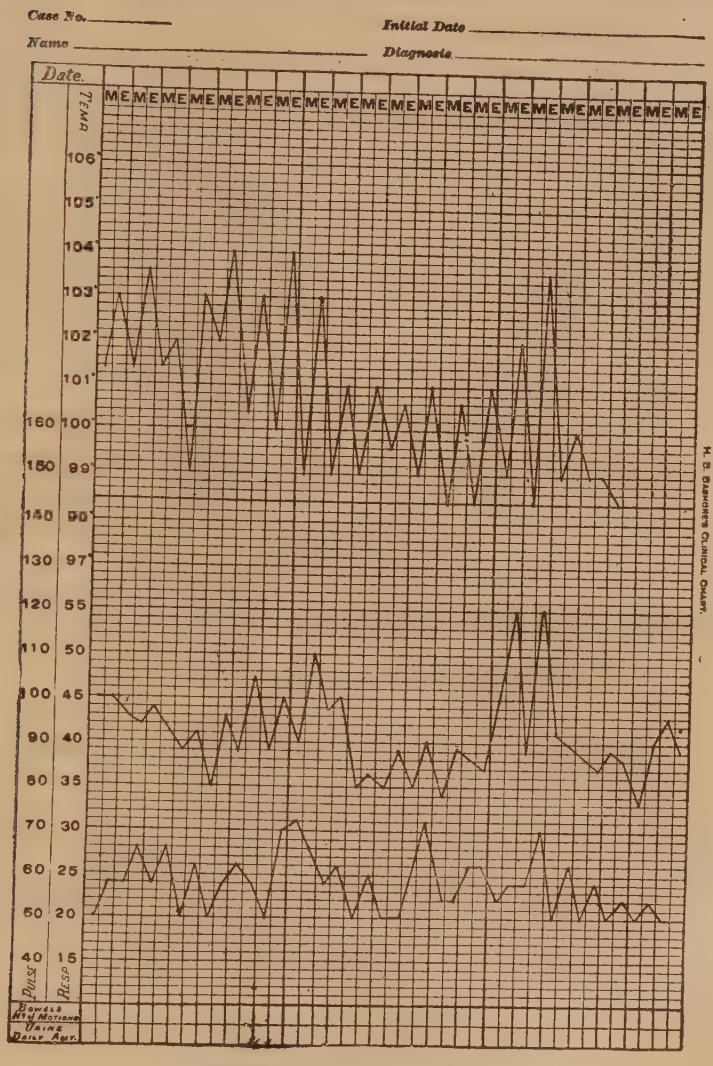
This work really does, if we may be permitted to use a trite and hackneyed expression, "fill a long-felt want." The subject is treated in all its bearings; electro-diagnosis receives a large share of attention, and the chapter devoted to illustrative cases will be found to possess especial importance. The author has some original views on pathology. —*Medical Weekly Review.*

BASHORE'S IMPROVED CLINICAL CHART.

For the SEPARATE PLOTTING of TEMPERATURE, PULSE, and RESPIRATION.

Designed for the Convenient, Accurate, and Permanent Daily Recording of Cases in Hospital and Private Practice.

By HARVEY B. BASHORE, M.D.



COPYRIGHTED, 1888, BY F. A. DAVIS.

50 Charts, in Tablet Form. Size, 8 x 12 inches.

Price, in the United States and Canada, Post-paid, 50 Cents, Net; Great Britain, 2s. 6d.; France, 3 fr. 60.

The above diagram is a little more than one-fifth (1-5) the actual size of the chart and shows the method of plotting, the upper curve being the Temperature, the middle the Pulse, and the lower the Respiration. By this method a full record of each can easily be kept with but one color ink.

It is so arranged that all practitioners will find it an invaluable aid in the treatment of their patients.

On the back of each chart will be found ample space conveniently arranged for recording "Clinical History and Symptoms" and "Treatment."

By its use the physician will secure such a complete record of his cases as will enable him to review them at any time. Thus he will always have at hand a source of individual improvement and benefit in the practice of his profession, the value of which can hardly be overestimated.

(F. A. DAVIS, Medical Publisher, Philadelphia, Pa., U.S.A.)

Medical Publications of F. A. Davis, Philadelphia.

EISENBERG

Bacteriological Diagnosis.

TABULAR AIDS FOR USE IN PRACTICAL WORK.

By JAMES EISENBERG, Ph.D., M.D., Vienna. Translated and augmented, with the permission of the author, from the latest German Edition, by NORVAL H. PIERCE, M.D., Surgeon to the Out-Door Department of Michael Reese Hospital; Assistant to Surgical Clinic, College of Physicians and Surgeons, Chicago, Ill.

This book is a novelty in Bacteriological Science. It is arranged in a tabular form in which are given the specific characteristics of the various well-established bacteria, so that the worker may, at a glance, inform himself as to the identity of a given organism. They then serve the same function to the Bacteriologist as does the "Chemical Analysis Chart" to the chemist, and the one will be found as essential as the other.

THE GREATEST care has been taken to bring the work up to the present aspect of Bacteriology.

In one Octavo volume, handsomely bound in Cloth. READY SOON.

Price, post-paid, in the United States and Canada, $1.50, net; in Great Britain, 8s. 6d.; in France, 9 fr. 35.

EDINGER

Twelve Lectures on the Structure of the Central Nervous System.

FOR PHYSICIANS AND STUDENTS.

By DR. LUDWIG EDINGER, Frankfort-on-the-Main. Second Revised Edition. With 133 Illustrations. Translated by WILLIS HALL VITTUM, M.D., St. Paul, Minn. Edited by C. EUGENE RIGGS, A.M., M.D., Professor of Mental and Nervous Diseases, University of Minnesota; Member of the American Neurological Association.

The illustrations are exactly the same as those used in the latest German edition (with the German names translated into English), and are very satisfactory to the Physician and Student using the book.

The work is complete in one Royal Octavo volume of about 250 pages, bound in Extra Cloth.

Price in United States and Canada, post-paid, $1.75, net; Great Britain, 10s.; France, 12 fr. 20.

One of the most instructive and valuable works on the minute anatomy of the human brain extant. It is written in the form of lectures, profusely illustrated, and in clear language. The book is worthy of the highest enconiums, and will, undoubtedly, command a large sale.—*The Pacific Record of Medicine and Surgery.*

Since the first works on anatomy, up to the present day, no work has appeared on the subject of the general and minute anatomy of the central nervous system so complete and exhaustive as this work of Dr. Ludwig Edinger. Being himself an original worker, and having the benefits of such masters as Stilling, Weigeit, Geilach, Meynert, and others, he has succeeded in transforming the mazy wilderness of nerve fibres and cells into a district of well-marked pathways and centres, and by so doing has made a pleasure out of an anatomical bugbear.—*The Southern Medical Record.*

Every point is clearly dwelt upon in the text, and where description alone might leave a subject obscure clever drawings and diagrams are introduced to render misconception of the author's meaning impossible. The book is eminently practical. It unravels the intricate entanglement of different tracts and paths in a way that no other book has done so explicitly or so concisely. — *Northwestern Lancet.*

Medical Publications of F. A. Davis, Philadelphia.

MASSEY

Electricity in the Diseases of Women.

WITH SPECIAL REFERENCE TO THE APPLICATION OF STRONG CURRENTS.

By G. BETTON MASSEY, M.D., Physician to the Gynæcological Department of the Howard Hospital; late Electro-therapeutist to the Philadelphia Orthopædic Hospital and Infirmary for Nervous Diseases; Member of the American Neurological Association, of the Philadelphia Neurological Society, of the Franklin Institute, etc. SECOND EDITION. Revised and Enlarged. With New and Original Wood-Engravings. Handsomely bound in Dark-Blue Cloth. 240 pages. 12mo. *No. 5 in the Physicians' and Students' Ready-Reference Series.*

This work is presented to the profession as the most complete treatise yet issued on the electrical treatment of the diseases of women, and is destined to fill the increasing demand for clear and practical instruction in the handling and use of strong currents after the recent methods first advocated by Apostoli. The whole subject is treated from the present stand-point of electric science *with new and original illustrations*, the thorough studies of the author and his wide clinical experience rendering him an authority upon electricity itself and its therapeutic applications. The author has enhanced the practical value of the work by including *the exact details* of treatment and results in a number of cases taken from his private and hospital practice.

Price, post-paid, in the United States and Canada, $1.50, net; in Great Britain, 8s. 6d.; in France, 9 fr. 35.

A new edition of this practical manual attests the utility of its existence and the recognition of its merit. The directions are simple, easy to follow and to put into practice; the ground is well covered, and nothing is assumed, the entire book being the record of experience. —*Journal of Nervous and Mental Diseases.*

It is only a few months since we noticed the first edition of this little book; and it is only necessary to add now that we consider it the best treatise on this subject we have seen, and that the improvements introduced into this edition make it more valuable still.—*Boston Medical and Surgical Journ.*

The style is clear, but condensed. Useless details are omitted, the reports of cases being pruned of all irrelevant material. The book is an exceedingly valuable one, and represents an amount of study and experience which is only appreciated after a careful reading.—*Medical Record.*

MANTON

Childbed; Its Management; Diseases and Their Treatment.

By WALTER P. MANTON, M.D., Visiting Physician to the Detroit Woman's Hospital; Consulting Gynæcologist to the Eastern Michigan Asylum; President of the Detroit Gynæcological Society; Fellow of the American Society of Obstetricians and Gynæcologists, and of the British Gynæcological Society; Member of Michigan State Medical Society, etc. In one neat 12mo volume, *No. in the Physicians' and Students' Ready-Reference Series.* IN PREPARATION.

Medical Bulletin.

A MONTHLY JOURNAL OF MEDICINE AND SURGERY.

Edited by JOHN V. SHOEMAKER, A.M., M.D. Bright, original, and readable. Articles by the best practical writers procurable. Every article as brief as is consistent with the preservation of its scientific value. Therapeutic Notes by the leaders of the medical profession throughout the world. These, and many other unique features, help to keep THE MEDICAL BULLETIN in its present position as the leading low-price Medical Monthly of the world. Subscribe now.

TERMS: $1.00 a year in advance in United States, Canada, and Mexico. Foreign Subscription Terms: England, 5s.; France, 6 fr.; Germany, 6 marks; Japan, 1 yen; Australia, 5s.; Holland, 3 florins.

Medical Publications of F. A. Davis, Philadelphia.

KEATING and EDWARDS

Diseases of the Heart and Circulation.

IN INFANCY AND ADOLESCENCE. WITH AN APPENDIX ENTITLED "CLINICAL STUDIES ON THE PULSE IN CHILDHOOD."

By JOHN M. KEATING, M.D., Obstetrician to the Philadelphia Hospital, and Lecturer on Diseases of Women and Children; Surgeon to the Maternity Hospital; Physician to St. Joseph's Hospital; Fellow of the College of Physicians of Philadelphia, etc.; and WILLIAM A. EDWARDS, M.D., Instructor in Clinical Medicine and Physician to the Medical Dispensary in the University of Pennsylvania; Physician to St. Joseph's Hospital; Fellow of the College of Physicians; formerly Assistant Pathologist to the Philadelphia Hospital, etc.

Illustrated by Photographs and Wood-Engravings. About 225 pages. Octavo. Bound in Cloth.

Price, post-paid, in the United States and Canada, $1.50, net; in Great Britain, 8s. 6d.; in France, 9 fr. 35.

Drs. Keating and Edwards have produced a work that will give material aid to every doctor in his practice among children. The style of the book is graphic and pleasing, the diagnostic points are explicit and exact, and the therapeutical resources include the novelties of medicine as well as the old and tried agents.—*Pittsburgh Med. Review.*

It is not a mere compilation, but a systematic treatise, and bears evidence of considerable labor and observation on the part of the authors. Two fine photographs of dissections exhibit mitral stenosis and mitral regurgitation; there are also a number of wood-cuts.—*Cleveland Medical Gazette.*

LIEBIG and ROHÉ

Practical Electricity in Medicine and Surgery.

By G. A. LIEBIG, JR., PH D., Assistant in Electricity, Johns Hopkins University; Lecturer on Medical Electricity, College of Physicians and Surgeons, Baltimore; Member of the American Institute of Electrical Engineers, etc.; and GEORGE H. ROHE, M.D., Professor of Obstetrics and Hygiene, College of Physicians and Surgeons, Baltimore; Visiting Physician to Bay View and City Hospitals; Director of the Maryland Maternité; Associate Editor "Annual of the Universal Medical Sciences," etc.

Profusely Illustrated by Wood-Engravings and Original Diagrams, and published in one handsome Royal Octavo volume of 383 pages, bound in Extra Cloth.

The constantly increasing demand for this work attests its thorough reliability and its popularity with the profession, and points to the fact that it is already THE standard work on this very important subject. The part on Physical Electricity, written by Dr. Liebig, one of the recognized authorities on the science in the United States, treats fully such topics of interest as Storage Batteries, Dynamos, the Electric Light, and the Principles and Practice of Electrical Measurement in their Relations to Medical Practice. Professor Rohé, who writes on Electro-Therapeutics, discusses at length the recent developments of Electricity in the treatment of stricture, enlarged prostate, uterine fibroids, pelvic cellulitis, and other diseases of the male and female genito-urinary organs. The applications of Electricity in dermatology, as well as in the diseases of the nervous system, are also fully considered.

Price, post-paid, in the United States and Canada, $2.00, net; in Great Britain, 11s. 6d.; France, 12 fr. 40.

Any physician, especially if he be a beginner in electro-therapeutics, will be well repaid by a careful study of this work by Liebig and Rohé. For a work on a special subject the price is low, and no one can give a good excuse for remaining in ignorance of so important a subject as electricity in medicine.—*Toledo Medical and Surgical Reporter.*

The entire work is thoroughly scientific and practical, and is really what the authors have aimed to produce, "a trustworthy guide to the application of electricity in the practice of medicine and Surgery."—*New York Medical Times.*

In its perusal, with each succeeding page, we have been more and more impressed with the fact that here, at last, we have a treatise on electricity in medicine and surgery which amply fulfills its purpose, and which is sure of general adoption by reason of its thorough excellence and superiority to other works intended to cover the same field.—*Pharmaceutical Era.*

After carefully looking over this work, we incline to the belief that the intelligent physician who is familiar with the general subject will be greatly interested and profited.—*American Lancet.*

Medical Publications of F. A. Davis, Philadelphia.

PRICE and EAGLETON

Three Charts of the Nervo-Vascular System.

PART I.—THE NERVES. PART II.—THE ARTERIES.
PART III.—THE VEINS.

A New Edition, Revised and Perfected. Arranged by W. HENRY PRICE, M.D., and S. POTTS EAGLETON, M.D. Endorsed by leading anatomists. Clearly and beautifully printed upon extra durable paper.

PART I. The Nerves.—Gives in a clear form not only the Cranial and Spinal Nerves, showing the formation of the different Plexuses and their branches, but also the complete distribution of the SYMPATHETIC NERVES.

PART II. The Arteries.—Gives a unique grouping of the Arterial system, showing the divisions and subdivisions of all the vessels, beginning from the heart and tracing their CONTINUOUS distribution to the periphery, and showing at a glance the terminal branches of each artery.

PART III. The Veins.—Shows how the blood from the periphery of the body is gradually collected by the larger veins, and these coalescing forming still larger vessels, until they finally trace themselves into the Right Auricle of the heart.

It is therefore readily seen that "The Nervo-Vascular System of Charts" offers the following superior advantages :—

1. It is the only arrangement which combines the Three Systems, and yet each is perfect and distinct in itself.

2. It is the only instance of the Cranial, Spinal, and Sympathetic Nervous Systems being represented on one chart.

3. From its neat size and clear type, and being printed only upon one side, it may be tacked up in any convenient place, and is always ready for freshening up the memory and reviewing for examination.

Price, post-paid, in United States and Canada, 50 cents, net, complete; in Great Britain, 3s. 6d.; in France, 3 fr. 60.

For the student of anatomy there can possibly be no more concise way of acquiring a knowledge of the nerves, veins, and arteries of the human system. It presents at a glance their trunks and branches in the great divisions of the body. It will save a world of tedious reading, and will impress itself on the mind as no ordinary *vade mecum*, even, could. Its price is nominal and its value inestimable. No student should be without it.—*Pacific Record of Medicine and Surgery.*

These are three admirably arranged charts for the use of students, to assist in memorizing their anatomical sudies.—*Buffalo Med. and Surg. Jour.*

PURDY

Diabetes: Its Cause, Symptoms and Treatment

By CHAS. W. PURDY, M.D. (Queen's University), Honorary Fellow of the Royal College of Physicians and Surgeons of Kingston ; Member of the College of Physicians and Surgeons of Ontario ; Author of "Bright's Disease and Allied Affections of the Kidneys ;" Member of the Association of American Physicians ; Member of the American Medical Association ; Member of the Chicago Academy of Sciences, etc.

CONTENTS.—Section I. Historical, Geographical, and Climatological Considerations of Diabetes Mellitus. II. Physiological and Pathological Considerations of Diabetes Mellitus. III. Etiology of Diabetes Mellitus. IV. Morbid Anatomy of Diabetes Mellitus. V. Symptomatology of Diabetes Mellitus. VI. Treatment of Diabetes Mellitus. VII. Clinical Illustrations of Diabetes Mellitus. VIII. Diabetes Insipidus ; Bibliography.

12mo. Dark Blue Extra Cloth. Nearly 200 pages. With Clinical Illustrations. *No. 8 in the Physicians' and Students' Ready-Reference Series.*

Price, post-paid, in the United States and Canada, $1.25, net; in Great Britain, 6s. 6d.; in France, 7 fr. 75.

This will prove a most entertaining as well as most interesting treatise upon a disease which frequently falls to the lot of every practitioner. The work has been written with a special view of bringing out the features of the disease as it occurs in the United States. The author has very judiciously arranged the little volume, and it will offer many pleasant attractions to the practitioner.—*Nashville Journal of Medicine and Surgery.*

While many monographs have been published which have dealt with the subject of diabetes, we know of none which so thoroughly considers its relations to the geographical conditions which exist in the United States, nor which is more complete in its summary of the symptomatology and treatment of this affection. A number of tables, showing the percentage of sugar in a very large number of alcoholic beverages, adds very considerably to the value of the work.—*Medical News.*

Medical Publications of F. A. Davis, Philadelphia.

REMONDINO

Circumcision: Its History, Modes of Operation, Etc.

FROM THE EARLIEST TIMES TO THE PRESENT; WITH A HISTORY OF EUNUCHISM, HERMAPHRODISM, ETC., AS OBSERVED AMONG ALL RACES AND NATIONS; ALSO A DESCRIPTION OF THE DIFFERENT OPERATIVE METHODS OF MODERN SURGERY PRACTICED UPON THE PREPUCE.

By P. C. REMONDINO, M.D. (Jefferson); Member of the American Medical Association; Member of the American Public Health Association; Vice-President of the State Medical Society of California, and of the Southern California Medical Society, etc., etc.

No. 11 in the Physicians' and Students' Ready Reference Series. About 350 pages. 12mo. Handsomely bound in Dark-Blue Cloth. JUST READY.

Price, post-paid, in the United States and Canada, $1.25, net; in Great Britain, 8s. 6d.; in France, 7 fr. 75. Cheap Edition (paper binding), United States and Canada, 50 cents, net, post-paid; Great Britain, 4s. 3d.; France, 4 fr. 20.

ROHÉ

Text-Book of Hygiene.

A COMPREHENSIVE TREATISE ON THE PRINCIPLES AND PRACTICE OF PREVENTIVE MEDICINE FROM AN AMERICAN STAND-POINT.

By GEORGE H. ROHÉ, M.D., Professor of Obstetrics and Hygiene in the College of Physicians and Surgeons, Baltimore; Member of the American Public Health Association, etc.

Every Sanitarian should have Rohé's "Text-Book of Hygiene" as a work of reference. Of this New (second) edition, one of the best qualified judges, namely, Albert L. Gihon, M.D., Medical Director, U. S. Navy, in charge of U. S. Naval Hospital, Brooklyn, N. Y., and ex-President of the American Public Health Association, writes: "It is the most admirable, concise *résumé* of the facts of Hygiene with which I am acquainted. Prof. Rohé's attractive style makes the book so readable that no better presentation of the important place of Preventive Medicine, among their studies, can be desired for the younger members, especially, of our profession.

Second Edition, thoroughly revised and largely rewritten, with many illustrations and valuable tables. In one handsome Royal Octavo volume of over 400 pages, bound in Extra Cloth.

Price, post-paid, in United States, $2.50, net; Canada (duty paid), $2.75, net; Great Britain, 14s.; France, 16 fr. 20.

In short, the work contains brief and practical articles on hygienic regulation of life, under almost all conditions. One prominent feature is that there are no superfluous words; every sentence is direct to the point sought. It is, therefore, easy reading, and conveys very much information in little space.—*The Pacific Record of Medicine and Surgery.*

Truly a most excellent and valuable work, comprising the accepted facts in regard to preventive medicine, clearly stated and well arranged. It is unquestionably a work that should be in the hands of every physician in the country, and medical students will find it a most excellent and valuable text-book.—*The Southern Practitioner.*

The first edition was rapidly exhausted, and the book justly became an authority to physicians and sanitary officers, and a text-book very generally adopted in the colleges throughout America. The second edition is a great improvement over the first, all of the matter being thoroughly revised, much of it being rewritten, and many additions being made. The size of the book is increased one hundred pages. The book has the original recommendation of being a handsomely-bound, clearly-printed octavo volume, profusely illustrated with reliable references for every branch of the subject matter.—*Medical Record.*

The wonder is how Prof. Rohé has made the book so readable and entertaining with so much matter necessarily condensed. The book is well printed with good, clear type, is attractive in appearance, and contains a number of valuable tables and illustrations that must be of decided aid to the student, if not to the general practitioner and health officer. Altogether, the manual is a good exponent of hygiene and sanitary science from the present American stand-point, and will repay with pleasure and profit any time that may be given to its perusal.—*University Medical Magazine.*

Medical Publications of F. A. Davis, Philadelphia.

SENN

Principles of Surgery.

By N. Senn, M.D., Ph.D., Professor of Practice of Surgery and Clinical Surgery in Rush Medical College, Chicago, Ill.; Professor of Surgery in the Chicago Polyclinic; Attending Surgeon to the Milwaukee Hospital; Consulting Surgeon to the Milwaukee County Hospital and to the Milwaukee County Insane Asylum.

This work, by one of America's greatest surgeons, is thoroughly COMPLETE; its clearness and brevity of statement are among its conspicuous merits. The author's long, able, and conscientious researches in every direction in this important field are a guarantee, of unusual trustworthiness, that every branch of the subject is treated authoritatively and in such a manner as to bring the greatest gain in knowledge to the Practitioner and Student.

In one handsome Royal Octavo volume, with 109 fine Wood-Engravings and 624 pages.

	United States.	Canada (duty paid).	Great Britain.	France.
Price in Cloth,	$4.50, Net	$5.00, Net	24s. 6d.	27 fr. 20
" Sheep or ½-Russia,	5.50 "	6.10 "	30s.	33 fr. 10

OPINIONS AND CRITICISMS.

Stephen Smith, M.D., Professor of Clinical Surgery Medical Department University of the City of New York, writes:—"I have examined the work with great satisfaction, and regard it as a most valuable addition to American Surgical literature. There has long been great need of a work on the principles of surgery which would fully illustrate the present advanced state of knowledge of the various subjects embraced in this volume. The work seems to me to meet this want admirably."

Lewis A. Sayre, M.D., Professor Orthopædic Surgery Bellevue Hospital Medical College, New York, writes:—"My Dear Doctor Senn: Your very valuable work on surgery, sent to me some time since, I have studied with great satisfaction and improvement. I congratulate you most heartily on having produced the most classical and practical work on surgery yet published."

Frank J. Lutz, M.D., St. Louis, Mo., says:—"It seems incredible that those who pretend to teach have done without such a guide before, and I do not understand how our students succeeded in mastering the principles of modern surgery by attempting to read our obsolete text-books. American surgery should feel proud of the production, and the present generation of surgeons owe you a debt of gratitude."

W. W. Dawson, M.D., Cincinnati, Ohio, writes:—"It is a work of great merit, and one greatly needed. Reliable Surgery must be founded upon correct principles."

Wm. Osler, M.D., The Johns Hopkins Hospital, Baltimore, says:—"You certainly have covered the ground thoroughly and well, and with a thoroughness I do not know of in any similar work. I should think it would prove a great boon to the students and also to very many teachers."

J. C. Warren, M.D., Boston, Mass., writes:—"The book comes at an opportune moment; the old text-books on Surgical Pathology are out of date, and you are filling practically a new field."

The work is systematic and compact, without a fact omitted or a sentence too much, and it not only makes instructive but fascinating reading. A conspicuous merit of Senn's work is his method, his persistent and tireless search through original investigations for additions to knowledge, and the practical character of his discoveries. This combination of the discoverer and the practical man gives a special value to all his work, and is one of the secrets of his fame. No physician in any line of practice can afford to be without Senn's "Principles of Surgery."—*The Review of Insanity and Nervous Diseases.*

Every chapter is a mine of information containing all the recent advances on the subjects presented in such a systematic, instructive and entertaining style that the reader will not willingly lay it aside, but will read and re-read with pleasure and profit.—*Kansas Medical Journal.*

It is a most admirable work in all respects, and should be in the hands of every senior student, general practitioner, and special surgeon.—*Canadian Practitioner.*

After perusing this work on several different occasions we have come to the conclusion that it is a remarkable work by a man of unusual ability. We have never seen anything like it before. The author seems to have had a very large personal experience, which is freely made use of in the text, besides which he is familiar with almost all that has been written in English and German on the above topics. We congratulate Dr. Senn upon the manner in which he has accomplished his task.—*The Canada Medical Record.*

The work is exceedingly practical, as the chapters on the treatment of the various conditions considered are based on sound deductions, are complete, and easily carried out by any painstaking surgeon. Asepsis and antisepsis are exhaustively treated. All in all, the book is a most excellent one, and deserves a place in every well-selected library.—*Medical Record.*

It will prove exceedingly valuable in the diffusion of more thorough knowledge of the subject-matter among English-speaking surgeons. As in the case of all his work, he has done this in a truly admirable manner. Nowhere is there room to criticise the accuracy of Senn's statements, and everywhere is there evidence of a thorough study of the best work of the most eminent men. The book throughout is worthy of the highest praise. It should be adopted as a text-book in all of our schools.—*University Medical Magazine.*

The principles of surgery, as expounded by Dr. Senn, are such as to place the student in the independent position of evolving from them methods of treatment; the master of the principles readily becomes equally a master of practice. And this, of course, is really the whole purpose of the volume.—*Weekly Medical Review.*

Medical Publications of F. A. Davis, Philadelphia.

SHOEMAKER

Heredity, Health, and Personal Beauty.

INCLUDING THE SELECTION OF THE BEST COSMETICS FOR THE SKIN, HAIR, NAILS, AND ALL PARTS RELATING TO THE BODY.

By JOHN V. SHOEMAKER, A.M., M.D., Professor of Materia Medica, Pharmacology, Therapeutics, and Clinical Medicine, and Clinical Professor of Diseases of the Skin in the Medico-Chirurgical College of Philadelphia; Physician to the Medico-Chirurgical Hospital, etc., etc.

The health of the skin and hair, and how to promote them, are discussed; the treatment of the nails; the subjects of ventilation, food, clothing, warmth, bathing; the circulation of the blood, digestion, ventilation; in fact, all that in daily life conduces to the well-being of the body and refinement is duly enlarged upon. To these stores of popular information is added a list of the best medicated soaps and toilet soaps, and a whole chapter of the work is devoted to household remedies. The work is largely suggestive, and gives wise and timely advice as to when a physician should be consulted. *This is just the book to place on the waiting-room table of every physician, and a work that will prove usefal in the hands of your patients.*

Complete in one handsome Royal Octavo volume of 425 pages, beautifully and clearly printed, and bound in Extra Cloth, Beveled Edges, with side and back gilt stamps and in Half-Morocco Gilt Top.

Price, in United States, post-paid, Cloth, $2.50; Half-Morocco, $3.50, net. Canada (duty paid), Cloth, $2.75; Half-Morocco, $3.90, net. Great Britain, Cloth, 14s.; Half-Morocco, 19s. 6d. France, Cloth, 15 fr.; Half-Morocco, 22 fr.

The book reads not like the fulfillment of a task, but like the researches and observations of one thoroughly in love with his subject, fully appreciating its importance, and writing for the pleasure he experiences in it. The work is very comprehensive and complete in its scope.—*Medical World.*

The book before us is a most remarkable production and a most entertaining one. The book is equally well adapted for the laity or the profession. It tells us how to be healthy, happy, and as beautiful as possible. We can't review this book; it is different from anything we have ever read. It runs like a novel, and will be perused until finished with pleasure and profit. Buy it, read it, and be surprised, pleased, and improved.—*The Southern Clinic.*

This book is written primarily for the laity, but will prove of interest to the physician as well. Though the author goes to some extent into technicalities, he confines himself to the use of good, plain English, and in that respect sets a notable example to many other writers on similar subjects. Furthermore, the book is written from a thoroughly American standpoint.—*Medical Record.*

This is an exceedingly interesting book, both scientific and practical in character, intended for both professional and lay readers. The book is well written and presented in admirable form by the publisher.—*Canadian Practitioner.*

SHOEMAKER

Ointments and Oleates: Especially in Diseases of the Skin.

By JOHN V. SHOEMAKER, A.M., M.D., Professor of Materia Medica, Pharmacology, Therapeutics, and Clinical Medicine, and Clinical Professor of Diseases of the Skin in the Medico-Chirurgical College of Philadelphia, etc., etc.

The author concisely concludes his preface as follows: "The reader may thus obtain a conspectus of the whole subject of inunction as it exists to-day in the civilized world. In all cases the mode of preparation is given, and the therapeutical application described *seriatim*, in so far as may be done without needless repetition."

SECOND EDITION, revised and enlarged. 298 pages. 12mo. Neatly bound in Dark-Blue Cloth. *No. 6 in the Physicians' and Students' Ready-Reference Series.*

Price, post-paid, in the United States and Canada, $1.50, net; in Great Britain, 8s. 6d.; in France, 9 fr. 35.

It is invaluable as a ready reference when ointments or oleates are to be used, and is serviceable to both druggist and physician.—*Canada Medical Record.*

To the physician who feels uncertain as to the best form in which to prescribe medicines by way of the skin the book will prove valuable, owing to the many prescriptions and formulæ which dot its pages, while the copious index at the back materially aids in making the book a useful one.—*Medical News.*

Medical Publications of F. A. Davis, Philadelphia.

STEWART

Obstetric Synopsis.

By JOHN S. STEWART, M.D., formerly Demonstrator of Obstetrics and Chief Assistant in the Gynæcological Clinic of the Medico-Chirurgical College of Philadelphia: with an introductory note by WILLIAM S. STEWART, A.M., M.D., Professor of Obstetrics and Gynæcology in the Medico-Chirurgical College of Philadelphia.

By students this work will be found particularly useful. It is based upon the teachings of such well-known authors as Playfair, Parvin, Lusk, Galabin, and Cazeaux and Tarnier, and contains much new and important matter of great value to both student and practitioner.

With 42 Illustrations. 202 pages. 12mo. Handsomely bound in Dark-Blue Cloth. *No. 1 in the Physicians' and Students' Ready-Reference Series.*

Price, post-paid, in the United States and Canada, $1.00, net; in Great Britain, 6s.; France, 6 fr. 20.

DELASKIE MILLER, M.D., Professor of Obstetrics, Rush Medical College, Chicago, Ill., says:—"I have examined the 'Obstetric Synopsis,' by John S. Stewart, M.D., and it gives me pleasure to characterize the work as systematic, concise, perspicuous, and authentic. Among manuals it is one of the best."

It is well written, excellently illustrated, and fully up to date in every respect. Here we find all the essentials of Obstetrics in a nutshell, Anatomy, Embryology, Physiology, Pregnancy, Labor, Puerperal State, and Obstetric Operations all being carefully and accurately described.—*Buffalo Medical and Surgical Journal.*

It is clear and concise. The chapter on the development of the ovum is especially satisfactory. The judicious use of bold-faced type for headings and italics for important statements gives the book a pleasing typographical appearance.—*Medical Record.*

This volume is done with a masterly hand. The scheme is an excellent one. The whole is freely and most admirably illustrated with well-drawn, new engravings, and the book is of a very convenient size.—*St. Louis Medical and Surgical Journal.*

ULTZMANN

The Neuroses of the Genito-Urinary System in the Male.

WITH STERILITY AND IMPOTENCE.

By DR. R. ULTZMANN, Professor of Genito-Urinary Diseases in the University of Vienna. Translated, with the author's permission, by GARDNER W. ALLEN, M.D., Surgeon in the Genito-Urinary Department, Boston Dispensary.

Full and complete, yet terse and concise, it handles the subject with such a vigor of touch, such a clearness of detail and description, and such a directness to the result, that no medical man who once takes it up will be content to lay it down until its perusal is complete,—nor will one reading be enough.

Professor Ultzmann has approached the subject from a somewhat different point of view from most surgeons, and this gives a peculiar value to the work. It is believed, moreover, that there is no convenient hand-book in English treating in a broad manner the Genito-Urinary Neuroses.

SYNOPSIS OF CONTENTS.—First Part—I. Chemical Changes in the Urine in Cases of Neuroses. II. Neuroses of the Urinary and of the Sexual Organs, classified as: (1) Sensory Neuroses; (2) Motor Neuroses; (3) Secretory Neuroses. Second Part—Sterility and Impotence. The treatment in all cases is described clearly and minutely.

Illustrated. 12mo. Handsomely bound in Dark-Blue Cloth. *No. 4 in the Physicians' and Students' Ready-Reference Series.*

Price, post-paid, in the United States and Canada, $1.00, net; in Great Britain, 6s.; in France, 6 fr. 20.

This book is to be highly recommended, owing to its clearness and brevity. Altogether, we do not know of any book of the same size which contains so much useful information in such a short space.—*Medical News.*

Its scope is large, not being confined to the one condition,—neurasthenia,—but embracing all of the neuroses, motor and sensory, of the genito-urinary organs in the male. No one who has read after Dr. Ultzmann need be reminded of his delightful manner of presenting his thoughts, which ever sparkle with originality and appositeness.—*Weekly Med. Review.*

It engenders sound pathological teaching, and will aid in no small degree in throwing light on the management of many of the difficult and more refractory cases of the classes to which these essays especially refer.—*The Medical Age.*

Medical Publications of F. A. Davis, Philadelphia.

WITHERSTINE

The International Pocket Medical Formulary

ARRANGED THERAPEUTICALLY.

By C. SUMNER WITHERSTINE, M.S., M.D., Associate Editor of the "Annual of the Universal Medical Sciences;" Visiting Physician of the Home for the Aged, Germantown, Philadelphia; Late House-Surgeon Charity Hospital, New York.

More than 1800 formulæ from several hundred well-known authorities. With an Appendix containing a Posological Table, the newer remedies included; Important Incompatibles; Tables on Dentition and the Pulse; Table of Drops in a Fluidrachm and Doses of Laudanum graduated for age; Formulæ and Doses of Hypodermatic Medication, including the newer remedies; Uses of the Hypodermatic Syringe; Formulæ and Doses for Inhalations, Nasal Douches, Gargles, and Eye-washes; Formulæ for Suppositories; Use of the Thermometer in Disease; Poisons, Antidotes, and Treatment; Directions for Post-Mortem and Medico-Legal Examinations; Treatment of Asphyxia, Sun-stroke, etc.; Antiemetic Remedies and Disinfectants; Obstetrical Table; Directions for Ligations of Arteries; Urinary Analysis; Table of Eruptive Fevers; Motor Points for Electrical Treatment, etc.

This work, the best and most complete of its kind, contains about 275 printed pages, besides extra blank leaves—the book being interleaved throughout—elegantly printed, with red lines, edges, and borders; with illustrations. Bound in leather, with side flap.

It is a handy book of reference, replete with the choicest formulæ (over 1800 in number) of more than six hundred of the most prominent classical writers and modern practitioners.

The remedies given are not only those whose efficiency has stood the test of time, but also the newest and latest discoveries in pharmacy and medical science, as prescribed and used by the best-known American and foreign modern authorities.

It contains the latest, largest (66 formulæ), and most complete collection of hypodermatic formulæ (including the latest new remedies) ever published, with doses and directions for their use in over fifty different diseases and diseased conditions.

Its appendix is brimful of information, invaluable in office work, emergency cases, and the daily routine of practice.

It is a reliable friend to consult when, in a perplexing or obstinate case, the usual line of treatment is of no avail. (A hint or a help from the best authorities, as to choice of remedies, correct dosage, and the eligible, elegant, and most palatable mode of exhibition of the same.)

It is compact, elegantly printed and bound, well illustrated, and of convenient size and shape for the pocket.

The alphabetical arrangement of the diseases and a thumb-letter index render reference rapid and easy.

Blank leaves, judiciously distributed throughout the book, afford a place to record and index favorite formulæ.

As a *student*, the physician needs it for study, collateral reading, and for recording the favorite prescriptions of his professors, in lecture and clinic; as a *recent graduate*, he needs it as a reference hand-book for daily use in prescribing (gargles, nasal douches, inhalations, eye-washes, suppositories, incompatibles, poisons, etc.); as an *old practitioner*, he needs it to refresh his memory on old remedies and combinations, and for information concerning newer remedies and more modern approved plans of treatment.

No live, progressive medical man can afford to be without it.

Price, post-paid, in United States and Canada $2.00, net; Great Britain, 11s. 6d.; France, 12 fr. 40.

It is sometimes important that such prescriptions as have been well established in their usefulness be preserved for reference, and this little volume serves such a purpose better than any other we have seen.—*Columbus Medical Journal.*

To the young physician just starting out in practice this little book will prove an acceptable companion.—*Omaha Clinic.*

As long as "combinations" are sought, such a book will be of value, especially to those who cannot spare the time required to learn enough of incompatibilities before commencing practice to avoid writing incompatible and dangerous prescriptions. The constant use of such a book by such prescribers would save the pharmacist much anxiety.—*The Druggists' Circular.*

In judicious selection, in accurate nomenclature, in arrangement, and in style, it leaves nothing to be desired. The editor and the publisher are to be congratulated on the production of the very best book of its class.—*Pittsburgh Medical Review.*

CONDENSED PRICE-LIST

—OF—

F. A. DAVIS' MEDICAL PUBLICATIONS,

1231 FILBERT STREET, PHILADELPHIA, PA.

BRANCH OFFICES:

117 W. Forty-second Street, New York City. 25 Old Capitol, Atlanta, Ga.
24 Lakeside Building (214-220 S. Clark St., Cor. Adams), Chicago, Ill.
40 Berners St., Oxford St., London, W., England.

BASHORE—Improved Clinical Chart. For the Separate Plotting of Temperature, Pulse, etc. Fifty Charts in tablet form. Size, 8 x 12 inches. Net, 50 cents.

BOWEN—Hand-Book of Materia Medica, Pharmacy, and Therapeutics. 12mo. Cloth. Net, $1.40.

CATHELL—Book on the Physician Himself, and Things that Concern his Reputation and Success. NINTH EDITION. 8vo. Cloth. Net, $2.00.

CLEVENGER—Spinal Concussion. Illustrated. 8vo. Cloth. Net, $2.50.

CLEVENGER—Lectures on Artistic Anatomy and the Sciences Useful to the Artist. Illustrated. IN PRESS.

DEMARQUAY—Essay on Medical Pneumatology and Aerotherapy: Oxygen and other Gases in Medicine and Surgery. Translated by S. S. WALLIAN, A.M., M.D. Illustrated. 8vo. Cloth, net, $2.00; Half-Russia, net, $3.00.

DAVIS—Diseases of the Heart, Lungs, and Kidneys. 12mo. IN PREPARATION.

EDINGER—Structure of Central Nervous System. Translated by W. H. VITTUM, M.D., edited by C. E. RIGGS, A.M., M.D. Illustrated. 8vo Cloth. Net, $1.75.

EISENBERG—Bacteriological Diagnosis. Translated by NORVAL H. PIERCE, M.D. 8vo. Cloth. Net, $1.50.

GOODELL—Lessons in Gynæcology. THIRD EDITION. 8vo Illustrated. Cloth, $5.00; Sheep, $6.00.

GUERNSEY—Plain Talks on Avoided Subjects. 16mo. Cloth, $1.00.

HARE—Epilepsy, its Pathology and Treatment. 12mo. Cloth. Net, $1.25.

JAMES—American Resorts. 8vo. Cloth. Net, $2.00.

KEATING—Record-Book of Medical Examinations for Life-Insurance. 16mo. Cloth, for 100 examinations, net, 50 cents; full Leather, for 200 examinations, net, $1.00.

KEATING AND EDWARDS—Diseases of the Heart and Circulation. Illustrated. 8vo. Net, $1.50.

KELLER—Perpetual Clinical Index to Materia Medica, Chemistry, and Pharmacy Charts. Net, $5.00.

LIEBIG AND ROHE—Practical Electricity in Medicine and Surgery. Illustrated. 8vo. Cloth. Net, $2.00.

MANTON—Childbed: its Management; Diseases and their Treatment. 12mo. IN PREPARATION.

MEARS—Practical Surgery. SECOND EDITION. Illustrated. 12mo. Cloth, $3.00.

MASSEY—Electricity in the Diseases of Women. SECOND EDITION. Illustrated. 12mo. Net, $1.50.

MEDICAL BULLETIN VISITING-LIST OR PHYSICIANS' CALL-RECORD—No. 1 style, for 70 patients, net, $1.25; No. 2 style, for 105 patients, net, $1.50; No. 3 style, in removable sections, net, $1.75. (Send for descriptive circular.)

MICHENER—Hand-Book of Eclampsia. 16mo. Cloth. Net, 75 cents.

NISSEN—Swedish Movement and Massage Treatment. Illustrated. 12mo. Cloth. Net, $1.00.

PHYSICIANS' ALL-REQUISITE TIME- AND LABOR-SAVING ACCOUNT-BOOK—No. 1, for 900 accounts, net, $5.00; No. 2, for 1800 accounts, net, $8.00. (Send for circular showing plan of the book.)

PHYSICIANS' INTERPRETER—In four languages (English, French, German, and Italian). Full Leather. Net, $1.00.

PURDY—Diabetes: its Causes, Symptoms, and Treatment. 12mo. Cloth. Net, $1.25.

PRICE AND EAGLETON—Three Charts of the Nervo-Vascular System, new edition, on extra-durable paper. Net, 50 cents.

ROHE—Text-Book of Hygiene. SECOND EDITION. Illustrated. 8vo. Net, $2.50.

SAJOUS—Hay Fever and its Successful Treatment. Illustrated. 12mo. Cloth. Net, $1.00.

SANNE—Diphtheria, Croup: Tracheotomy and Intubation. Translated by HENRY C. GILL, M.D., LL.D. Illustrated. 8vo. Cloth, net, $4.00; Sheep, net, $5.00.

SENN—Principles of Surgery. Illustrated. 8vo. Cloth, net, $4.50; Sheep, net, $5.50.

SHOEMAKER—Ointments and Oleates, especially in Diseases of the Skin. SECOND EDITION. 12mo. Net, $1.50.

SHOEMAKER—Heredity, Health, and Personal Beauty. 8vo. Cloth, net, $2.50; Half-Morocco, $3.50.

SHOEMAKER AND AULDE—Materia Medica, Pharmacology, and Therapeutics. Two vols. Octavo. Vol. I, Cloth, Net, $2.50; Sheep, Net, $3 25. Vol. II, Cloth, Net, $3.50; Sheep, Net, $4.50.

SMITH, R. MEADE—The Physiology of the Domestic Animals. Illustrated. 8vo. Cloth, net, $5.00; Sheep, net, $6.00.

STEWART—Obstetric Synopsis. Illustrated. 12mo. Cloth. Net, $1.00.

ULTZMANN—Genito-Urinary Neuroses. Translated by GARDNER W. ALLEN, M.D. Illustrated. 12mo. Net, $1.00.

WITHERSTINE—International Pocket Medical Formulary. Full Leather. Net, $2.00.

YOUNG—Synopsis of Human Anatomy. Illustrated. 12mo. Net, $1.40.

ANNUAL OF THE UNIVERSAL MEDICAL SCIENCES, CHARLES E. SAJOUS, M.D., Editor-in-Chief. Five Volumes per year. 8vo. Cloth, $15.00; Half-Russia, $20.00. Subscription.

RANNEY—Lectures on Nerv[illegible] Diseases. Illustrated. 8vo. Cloth, $5.50; Sheep, $6.50; Half-Russia, $7.00. Subscription.

SAJOUS—Lectures on Diseases of the Nose and Throat. Illustrated. 8vo. Cloth, $4.00; Sheep or Half-Russia, $5.00. Subscription.

STANTON—Practical and Scientific Physiognomy. Two volumes. Octavo. Illustrated. Per vol., Cloth, $4.50; Sheep, $5.50; Half-Russia, $6.50. Subscription.

THE MEDICAL BULLETIN—A monthly journal of medicine and surgery. Per year, $1.00.

"THE MEDICAL BULLETIN" CHEAPEST AND BEST MEDICAL JOURNAL PUBLISHED IN THE WORLD FOR $1.00 A YEAR.

REMITTANCES SHOULD BE MADE BY EXPRESS MONEY ORDER, P. O. MONEY ORDER REGISTERED LETTER OR DRAFT ON NEW YORK CITY OR PHILADELPHIA.

GENERAL ORDER BLANK

F. A. DAVIS,
Medical Publisher and Bookseller,
1231 FILBERT STREET, PHILADELPHIA.

_____ mo. _____ 18 ____

Please send me by _____ *as follows:*

_____

_____

_____

_____

_____

_____

_____

_____

Enclosed find $ _____

_____ *M.D.*

Send C.O.D. $ _____

_____ *P. O.*

Express-Office _____

_____ *Co.* _____ *State.*

PRESERVE YOUR SPECIMENS.

Send for prices of JARS, Chemical Apparatus, Laboratory Supplies, and Reagents.

H. LANDENBERGER,

25 and 27 N. 13th St., Philadelphia.

ALWAYS MENTION

The Medical Bulletin

WHEN CORRESPONDING WITH ADVERTISERS.

The

Remington

has set the copy for writing machines for 15 years.
It is to-day the

Standard

and expects in the future, as it has in the past, to lead all others in adding improvements to what will always be the true model of a

Typewriter.

Wyckoff, Seamans & Benedict,

834 Chestnut Street, Philadelphia.

FOR FEMALE DISEASES.

MICAJAH'S

Medicated Uterine Wafers

A Remedy for the Local Treatment of Diseases Peculiar to Women, as

CHRONIC INFLAMMATION AND ENGORGEMENT OF THE WOMB, ULCERATION, LEUCORRHŒA, IRREGULAR, SUPPRESSED, AND PAINFUL MENSTRUATION, AND THE

Irregularities Incidental to Change of Life.

APPLIED IN THE MANNER DIRECTED:—The remedy is quickly absorbed and *acts by stimulating the Hypogastric Plexus of Nerves*, and by this means restores and maintains the healthy functions of the organs to which this plexus of nerves is distributed.

Norwood, Mo., July 23, 1887.
THIRTY-FIVE YEARS. I have been practising medicine thirty-five years and have never found anything to equal your wafers. J. S. ALLEN, M.D.

Lindale, Tex., March 11, 1883.
THIRTY YEARS. I have been engaged in the practice of medicine in Texas for the past thirty years, and have never found a remedy to beat your wafers.
L. R. ROBINSON, M.D.

Holton, Ind., Jan. 2, 1888.
FORTY YEARS. After forty years' practice and careful study of female diseases, I confidently say for all diseases, organic or functional, your wafers cap the climax and distance all competitors. C. H. CASS, M.D.

Coronado, Kan., July 23, 1888.
A GODSEND. The wafers are indeed a Godsend to suffering women. A. R. KNAPP, M.D.

Harrisburg, Ore., June 14, 1887.
WONDERFUL CURES. Your Medicated Uterine Wafers have effected wonderful cures in this vicinity.
H. A. DAVIS, M.D.

Palestine, La., May 14, 1887.
MORE, TOO. The wafers are all that is claimed for them, and more, too. D. H. SPRINGFIELD, M.D.

Butlerville, Ark., May 12, 1887.
NO EQUAL. For what you recommend the wafers they have no equal. DR. D. M. SLAUGHTER.

The price of a box containing 25 Wafers, or 3 months' treatment, is $1.00.
Six boxes for $5.00.

To Physicians not acquainted with the merits of the wafers, a sample will be mailed on application. Address

MICAJAH & CO.,
WARREN, PA.

Mention *The Medical Bulletin.*

℞
Pure Pepsin . . . . . 1 gr.
Pure Pancreatin . . . . 1 gr.
Pure Caffeine . . . . . ¼ gr.
Acid Lacto-Phosphate of Calcium and Celery.

FOR THE
DIGESTION OF FOOD

PAN-PEPTIC TABLETS
S. & D. S.

SAMPLE SENT FREE
Mention this Journal

TONIC ACTION ON STOMACH AND BOWELS

(A. L. & D.) SHARP & DOHME, MANUFACTURING CHEMISTS ESTABLISHED 1860 Baltimore, Md.

In La Grippe
DURING LAST YEARS EPIDEMIC
THE EXHIBITION OF
ANTIKAMNIA
OPPOSED TO PAIN.
SECURED THE DESIRED RESULTS
AND IS AGAIN INDICATED BY THE
RETURN OF INFLUENZA
AND ITS ALLIED COMPLAINTS.
FOR HISTORY AND LITERATURE ADDRESS.
THE ANTIKAMNIA CHEMICAL CO., ST. LOUIS, MO., U. S. A

INDEX TO ADVERTISEMENTS.

Books.

PAGE

Diseases of the Skin 21
New Medical Publications 22-34

Carriage Builders.

The Gregg Carriage Co. . . . . Insert page vii

Colleges.

Medico-Chirurgical College 7

Elastic Stockings and Spinal Apparatus.

Pomeroy Truss Co. 8

Electrical Apparatus.

Galvano-Faradic Manf. Co. . . Insert page vi
Law Telephone Co. . . . . Insert page viii

Foods.

Ale and Beef 7
Armour & Co. . . . . Insert page iii
Bovinine 13
Colden's Liquid Beef Tonic . . Insert page iii
English Imperial Malt . . . . Insert page i
Fairchild Bros. & Foster . . . . 2d page cover
Genois Malt 18
Johnston's Fluid Beef 16
Reed & Carnrick 14
Walter Baker & Co. 6

Furniture, etc.

Keystone Bedding Manufactory 7

Mineral Water.

Buffalo Lithia Water 18
Villacabras 15

Orthopædical Appliances.

D. W. Kolbe & Son 10

Pharmaceutical Preparations.

PAGE

Antikamnia 36
Battle & Co. 9
B. Keith & Co. . . . . Insert page vi
Carl L. Jensen Co. 11
Marchand's Perox. of Hydrogen . Insert page v
E. Ferrett 19
H. Planten & Son 10
Henry K. Wampole & Co. 19
Horsford's Acid Phosphate 17
I. O. Woodruff & Co. 5
J. Fehr 9
Jas. I. Fellows 38
John C. Baker & Co. . . . . 2d page cover
Johnson & Johnson 20
Lehn & Fink 2
Listerine 11
Mariani & Co. 1
McArthur Hypophosphite Co. . 3d page cover
Mellier Drug Company 20
Medicated Uterine Wafers 35
New York Pharmaceutical Co. 4
Peacock Chemical Co. 3
Phenique Chemical Co. 8
Platt's Chlorides 16
Rigaud & Chapoteaut 12
Rio Chemical Co. . . . . Insert page ii
Sharp & Dohme 36
Standard Chemical Co. 19
Svapnia 10
Terraline . . . . . Insert page viii
W. H. Schieffelin & Co. . . . . Outside cover
Wm. R. Warner & Co. . Insert page iv, and 17
Wm. Procter, Jr., Co. 10

Sanitariums.

Burn Brae 7
Dr. G. Betton Massey 7
Parrish's Home for Invalids 7

Surgical Supplies.

E. A. Yarnall Co. 15
Wm. Snowden 21
Perfection Physicians' Chair 18
Specimen Jars 35

Type-Writer.

Remington 35

SYR. HYPOPHOS. CO., FELLOWS

Contains the Essential Elements of the Animal Organization—Potash and Lime;

The Oxidising Agents—Iron and Manganese;

The Tonics—Quinine and Strychnine;

And the Vitalizing Constituent—Phosphorus; the whole combined in the form of a Syrup with a **Slightly Alkaline Reaction.**

It Differs in its Effects from all Analogous Preparations; and it possesses the important properties of being pleasant to the taste, easily borne by the stomach, and harmless under prolonged use.

It has Gained a Wide Reputation, particularly in the treatment of Pulmonary Tuberculosis, Chronic Bronchitis, and other affections of the respiratory organs. It has also been employed with much success in various nervous and debilitating diseases.

Its Curative Power is largely attributable to its stimulant, tonic, and nutritive properties, by means of which the energy of the system is recruited.

Its Action is Prompt; it stimulates the appetite and the digestion, it promotes assimilation, and it enters directly into the circulation with the food products.

The prescribed dose produces a feeling of buoyancy, and removes depression and melancholy; *hence the preparation is of great value in the treatment of mental and nervous affections.* From the fact, also, that it exerts a double tonic influence, and induces a healthy flow of the secretions, its use is indicated in a wide range of diseases.

NOTICE—CAUTION.

The success of Fellows' Syrup of Hypophosphites has tempted certain persons to offer imitations of it for sale. Mr. Fellows, who has examined samples of several of these, ***finds that no two of them are identical,*** and that all of them differ from the original in composition, in freedom from acid reaction, in susceptibility to the effects of oxygen when exposed to light or heat, ***in the property of retaining the strychnine in solution,*** and in the medicinal effects.

As these cheap and inefficient substitutes are frequently dispensed instead of the genuine preparation, physicians are earnestly requested, when prescribing the Syrup, to write "Syr. Hypophos. ***Fellows.***"

As a further precaution, it is advisable that the Syrup should be ordered in the original bottles; the distinguishing marks which the bottles (and the wrappers surrounding them) bear, can then be examined, and the genuineness—or otherwise—of the contents thereby proved.

Medical Letters may be addressed to

Mr. FELLOWS, 48 Vesey Street, New York.

THE PERFECT TONIC.

BASS & CO.

of Burton-on-Trent, England, the world-famous brewers, are the makers of this superb

ENGLISH

Malt Extract. It is rich in extractive matter and far beyond comparison with any other article now on the American market. Bass & Co. can safely rest their great reputation on this truly

IMPERIAL

Tonic. It is pronounced by every physician who has tested its superior merits to be, without exception, the most satisfactory

MALT

they have ever had presented to them, and infinitely superior to the common German preparations with which the country has been overrun for the past few years. This

EXTRACT

Is Not More Expensive than much inferior goods, and the simple fact that it DOES NOT become SOUR after being opened a few days, but will keep until USED, is ONE of the strongest, amomg the many, recommendations it will have to the profession.

Free Sample on Application. For Sale by Druggists Generally.

JOS. W. IRWIN, Sole Agent,

213 Lodge Street, 2d Street above Walnut Street,

PHILADELPHIA, PA.

DÉVIATION DES RÈGLES.

ALETRIS CORDIAL (Rio) is, perhaps, THE MOST IMPORTANT REMEDIAL AGENT YET KNOWN. It is THE remedy for the wrongs of menstruation, by restoring normal functional activity to the uterine apparatus. PROLAPSUS, MENORRHAGIA, LEUCORRHEA, AMENORRHEA, DYSMENORRHEA, SUBINVOLUTION, METRITIS, OVARIAN NEURALGIA, etc., all yield to its beneficial influence. Physicians find a certainty in its action as a uterine tonic, that is peculiar to no other remedy. A special indication for its use IS THE DRAGGING SENSATION in the lower bowels. It quickly restores the strength and waning vitality of the chlorotic girls and pregnant women. Habitual miscarriage and the excessive nausea of early pregnancy are effectually prevented by its timely and continued use. In a word, it RESTORES TONE TO THE UTERINE SYSTEM, AND THUS RELIEVES ALL ABNORMAL CONDITIONS.

ESTABLISHED 16 YEARS. **BEWARE OF IMITATIONS.**

COLDEN'S LIQUID BEEF TONIC

AN INVALUABLE AID IN MEDICAL PRACTICE

ORIGINAL | **COLDEN'S LIEBIG'S LIQUID EXTRACT OF BEEF AND TONIC INVIGORATOR.** | LABEL.

ESSENTIALLY DIFFERENT FROM ALL OTHER BEEF TONICS. UNIVERSALLY ENDORSED BY LEADING PHYSICIANS.

This preparation, consisting of the Extract of Beef (prepared by Baron Liebig's process), the best Brandy obtainable, soluble Citrate of Iron, Cinchona and Gentian is offered to the Medical Profession upon its own merits. It is of inestimable value in the treatment of **Debility, Convalescence from Severe Illness Anæmia, Malarial Fever, Chlorosis, Incipient Consumption, Nervous Weakness,** and maladies requiring a Tonic and Nutrient. It is quickly absorbed by the Stomach and upper portion of the Alimentary Canal, and therefore finds its way into the circulation quite rapidly.

COLDEN'S LIQUID BEEF TONIC appeals to the judgment of intelligent Physicians in the treatment of

ALL CASES OF GENERAL DEBILITY.

By the urgent request of several eminent members of the medical profession, I have added to each wineglassful of this preparation two grains of Soluble Citrate of Iron, and which is designated on the label, "**With Iron, No. 1**" while the same preparation, **Without Iron,** is designated on the label as "**No. 2.**"

In prescribing this preparation, physicians should be particular to mention "***COLDEN'S,***" viz., "***Ext. Carnis Fl. Comp. (Colden).***" A Sample of **COLDEN'S BEEF TONIC** will be sent free on application, to any physician (enclosing business card) in the United States. ***Sold by druggists generally.***

C. N. CRITTENTON, General Agent, 115 Fulton St., New York.

GLENN'S SULPHUR SOAP.

BEWARE OF COUNTERFEITS.

Physicians know the great value of the local use of Sulphur in the **Treatment of Diseases of the Skin.**

Constantine's Pine-Tar Soap.

THE BEST SOAP MADE.

Has been on trial among physicians for very many years as a healing agent. **By far the Best Tar Soap made.**

Wholesale Depot, C. N. CRITTENTON, 115 Fulton St, New York.

Samples of above Soaps SENT FREE, on application, to any Physician enclosing card.

The Sober Judgment

Of all who consider the question, must be given in favor of the Digestive Ferments which pass through all the processes of manufacture in one laboratory, beginning with the living animal. Absolutely fresh raw materials and immediate manipulation insure preparations of exceptional activity, without even a suggestion of decomposition.

Armour & Company
Chicago

WARNER & CO.'S LITHIA SALTS IN TREATMENT OF RHEUMATISM.

BROMO LITHIA.

(Warner & Co. Founded 1856.)

Each Dessertspoonful contains: ℞ Salicylate Lithia 10 grs. and Brom. Soda 10 grs.

Bromo Lithia is an extremely potent remedy in the treatment of Rheumatism, Rheumatic Gout and Gouty Diathesis, originated by Wm. R. Warner & Co. It consists of Salicylate Lithium 10 grs., and Bromide Sodium 10 grs., in each dessertspoonful.

GRANULAR EFFERVESCENT

Bromide of Lithia

Each teaspoonful contains five grains of the chemically pure salt.

This preparation has been strongly recommended as a remedy for Epilepsy and as a Hypnotic of great value.

GRANULAR EFFERVESCENT

Salicylate of Lithia

DOSE:—A teaspoonful containing ten grains of Salt.

A convenient and pleasant remedy in Gout and Rheumatism.

This preparation is intended for physicians' use and will be found to possess advantages over Salicylic Acid, being less irritating to the stomach, and combining the efficacy of Lithia and Salicylic Acid.

GRANULAR EFFERVESCENT

Salicylate of Sodium

ANTI-RHEUMATIC.

Each heaping teaspoonful contains ten grains of Salicylate of Sodium.

Salicylate of Sodium is now generally preferred to other forms of Salicylic Acid, owing to its greater solubility, etc.

GRANULAR EFFERVESCENT

Citrate Lithia

Each heaping teaspoonful contains four grains of the chemically pure salt. Valuable in Rheumatic, Gouty, and analogous disorders, and acceptable to delicate stomachs where the Carbonate is not well borne.

GRANULAR EFFERVESCENT

Lithiated Potash

Each heaping teaspoonful contains five grains of Carb. Lithia and ten grains of Bi-Carb. Potash.

GRANULAR EFFERVESCENT

Carbonate Lithia

Each heaping teaspoonful contains four grains of the chemically pure salt. A remarkable and often magical resolvent of Gouty Rheumatic deposits.

Dr. A. Garrod, a well-known English authority on Gout, who was the first physician to introduce the Lithia Salts in the treatment of the gouty diathesis, states that their action is materially increased by being administered in a freely diluted form. The effervescing salts of Lithia furnish an easy and elegant way of applying Dr. Garrod's methods.

A REMEDY IN HEADACHE, INSOMNIA, ETC.

Prepared by WM. R. WARNER & CO., Chemists,

PHILADELPHIA. NEW YORK. LONDON, ENGLAND.

INGLUVIN

Superior to Pepsin of the Hog. A Powder Prescribed in Same Dose, Manner, and Combination.

CH. MARCHAND'S

PEROXIDE OF HYDROGEN

(MEDICINAL) H_2O_2 (ABSOLUTELY HARMLESS.)

Most powerful bactericide and pus destroyer.
Endorsed by the medical profession.
Uniform in strength, purity, stability.
Retains germicidal power any length of time.
Taken internally or applied externally with perfect safety.

Send for free book of 72 pages, giving articles by the following contributors:

DR. JOHN V. SHOEMAKER, Professor of Materia Medica, Pharmacology, Therapeutics, and Clinical Professor of Diseases of the Skin in the Medico-Chirurgical College of Philadelphia, Pa. "Peroxide of Hydrogen." *Materia Medica and Therapeutics*, Vol. II., 1891.

DR. J. H. DeWOLF, of Baltimore, Md. "Medicinal Peroxide of Hydrogen and Glycozone." *Southern Medical and Surgical World* of Baltimore, Md.

DR. ROBERT T. MORRIS, of New York. "The necessary Peroxide of Hydrogen." *The Journal of American Medical Association*, Chicago, Ill.

NOTE.—Avoid substitutes—in shape of the commercial article bottled—unfit and unsafe to use as a medicine.

Ch. Marchand's Peroxide of Hydrogen (Medicinal) sold only in 4-oz., 8-oz., and 16-oz. bottles, bearing a blue label, white letters, red and gold border, with his signature. Never sold in bulk.

Physicians willing to pay express charges will receive free sample on application.

PREPARED ONLY BY Charles Marchand

☞ Mention this publication.

Chemist and Graduate of the "Ecole Centrale des Arts et Manufactures de Paris" (France).

SOLD BY LEADING DRUGGISTS.

Laboratory, 28 Prince Street, New York.

THE MORPHINE HABIT

CURED BY THE USE OF

KEITHS'

CON. TINC. AVENA SATIVA.

FROM COMMON OATS.

A POWERFUL NERVE STIMULANT, TONIC, ETC.,

Is also Employed in the Treatment of

Paralysis, Epilepsy, St. Vitus' Dance, Chloral and Tobacco Habits, Sleeplessness, Nerve Exhaustion, Neuralgia, Alcoholism, Painful and Deficient Menstruation, Headache, Hysteria, Convulsions and Prostration from Fainting, and in the Convalescent Stage of all Acute Diseases.

DOSE.—From ten to thirty drops or more, as often as may be indicated to meet the urgency of the case. Administer in hot water when quick action is desired.

Messrs. B. KEITH & CO ,—Gentlemen: Melroy, Ind.
I am giving the con. tr. avena sativa for the *morphia habit*, and I find it will cure, I believe, *all cases, no matter how long they have been the slave* of this opium monster. I think this is the greatest discovery of our age. F. M. POLLITT, M.D.

Messrs. B. KEITH & CO.,—Gentlemen: Barnesville, Ga.
The con. tinct. avena sativa has been more successful in the treatment of the opium habit than anything I have ever tried, and I have tried various other remedies, amongst them the advertised nostrums. J. C. HOLLOWAY, M.D.

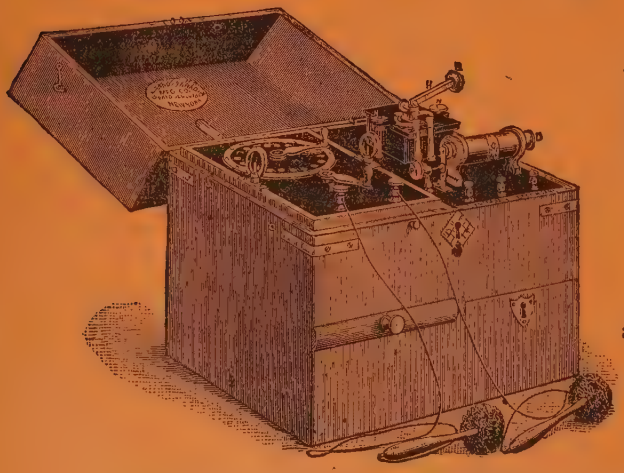
Messrs. B. KEITH & CO.,—Gentlemen: Idaho Springs; Col.
I have tried a small amount of the con. tr. avena sativa and am more than pleased with it in the *opium habit* and several other cases, such as in female diseases and nervous conditions. CHAS. B. RICHMOND, M. D

Send for printed matter on Con. Tinc. Avena Sativa in the Morphine or Opium Habit, and certificates from different members of the Medical Profession citing cases under their charge treated by it, also **Revised and Enlarged Manuel** to

B. KEITH & CO., ORGANIC CHEMISTS,

ESTABLISHED 1852. NO. 75 WILLIAM ST. NEW YORK.

THE BEST IS THE CHEAPEST.



If you want the BEST

BATTERY

for the least money

COME TO US,

and pay no more than you would elsewhere for inferior goods.

OUR NEW CATALOGUE IS NOW READY.

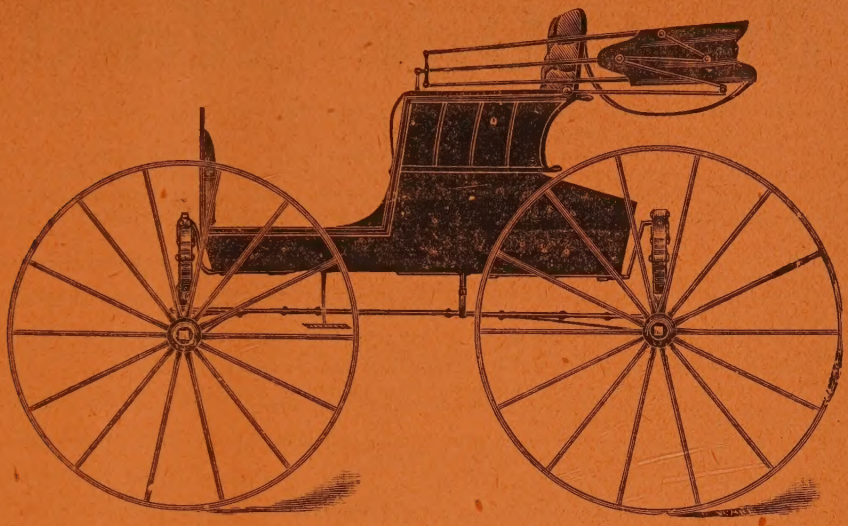
N. B.—We repair all makes of Batteries promptly and at reasonable prices.

GALVANO-FARADIC MANUFACTURING COMPANY,

300 FOURTH AVENUE, NEW YORK.

Manufacturers of THE STANDARD ELECTRICAL INSTRUMENTS for Physicians', Surgeons', and Family Use.

It is important to us that you mention this Journal.



HAVING leased the entire five-story building, N. E. Cor. Arch and Twelfth Streets, for a term of years, we have fitted it up for the manufacture and sale of fine Carriages, Harness, etc., etc.

In our *three show rooms* (passenger elevator to each floor) you will always find a full assortment of Carriages of our own manufacture, with which the public has long been familiar. In addition, we shall keep in stock all the latest novelties in Oak and Painted work.

As our shops here are fully equipped for doing ***First-class Repair Work*** with dispatch, we have discontinued the shops at 1707 and 1709 Filbert Street. We solicit your valuable patronage, and guarantee satisfaction in every particular. Entrance to Repair Shops on Twelfth Street.

Having made a Specialty of PHYSICIANS' CARRIAGES for a number of years, we feel we can fully satisfy the demand for THOROUGH WORK at MODERATE PRICES.

THE GREGG CARRIAGE CO.,

N. E. COR. ARCH & TWELFTH STS., PHILADELPHIA.

Carriages Stored. Drop us a Postal if you Wish us. Carriages Sent for and Delivered.

Just One Word

to the Medical Profession as to the value of TERRALINE (or purified Petroleum) in Bronchial Pulmonary Catarrha, and other Diseases of the Throat and Lungs.

In the first place it is not an emulsion and does not deteriorate with age. In the second place it is tasteless and odorless; the patient can continue its use without repugnance to the taste. It does not cause eructations or nausea and the most delicate stomach can tolerate it. It is prescribed by the leading physicians everywhere, and the grand results from its use as reported to us are almost incredible. Read what a few of our leading city physicians say of it, as given in interviews:

DR. JAMES T. YOUNG, 1336 New York Avenue:—"Terraline has promptly relieved a number of cases of Chronic Bronchial Catarrh that would not yield to other remedies."

DR. J. O. STANTON, 1344 G Street:—"I have prescribed Terraline in a large number of cases of Laryngitis, Bronchitis, and Incipient Phthisis, and am more than pleased with the result."

DR. Z. T. SOWERS, 1320 New York Avenue:—"I have prescribed Terraline in a number of cases such as are usually given Cod-Liver Oil, and as it has the double advantage of *no odor or taste*, can be given in those cases in which Cod-Liver Oil disagrees, with all the advantages of the latter, and with even increased benefit."

DR. A. Y. P. GARNETT, 1317 New York Avenue:—"Have prescribed Terraline as many as thirty times, and for almost as many forms of Bronchial and Pulmonary complaints, and fail to recall a single instance in which I did not see prompt and decided improvement in the patient."

DR. D. C. PATTERSON, 919 I Street:—"I am of the opinion that in Terraline we have a most valuable agent in the treatment of the class of cases for which Cod-Liver Oil is prescribed."

DR. P. J. MURPHY, Surgeon in charge of the Columbia Hospital:—"I have prescribed Terraline very often in the last year, both in and out of the Hospital, with grand results, and while I never write a certificate for a medicine, however good, am free to say that I see in Terraline the greatest remedy for the treatment of Bronchial and Pulmonary troubles ever brought to my attention."

We have hundreds of certificates from all parts of the United States which we will insert from time to time in the Medical Journals, where they legitimately belong.

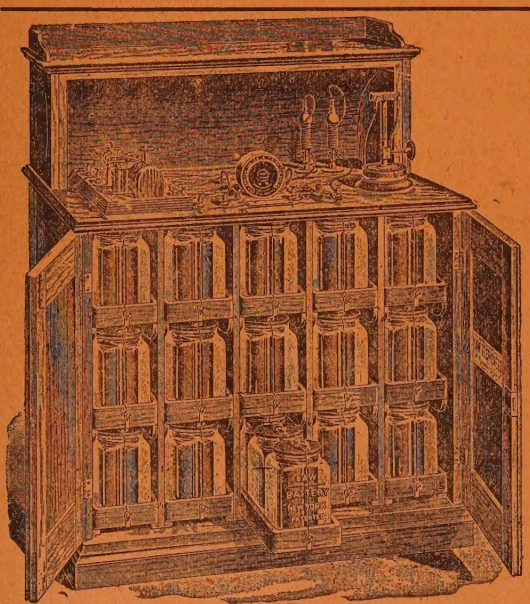
℞ Terraline, . . . ℥ xii.

Sig.: One or two teaspoonfuls, three or four times daily, in sherry wine.

The price of **Terraline** is One Dollar a bottle. A full size bottle for trial will be sent to any physician without expense except for express charges, which he must pay on receipt of it.

THE TERRALINE COMPANY, SOLE M'F'RS,

1316 L STREET, N.W., WASHINGTON, D.C.



THE LAW ELECTRO-THERAPEUTICAL OFFICE OUTFIT.

HAVE you been in doubt as to whether you need an office battery, or are you in doubt as to just what you require and as to the first cost and to the cost of maintenance? Use the Law Outfit and secure pleasure and profit. More than 63,000 cells of Law Battery in use for Electro-Therapeutical work. Eleven years on the market. Every cell guaranteed for ten years' service.

LAW TELEPHONE CO., Sole Manufacturers,

85 John Street, N. Y.

Write us for Catalogue. Cable address, Barbery.

Philadelphia Agent, WILLIAM SNOWDEN, 121 S. 11th St., Philadelphia, Pa.

NUTRITION IN ITS RELATION TO THE NERVOUS SYSTEM.

When the batteries show signs of becoming "run down," as manifested by the progressive weakness of the current or by its complete failure to respond to the demands made upon it, the electrician proceeds to recharge them.

The nervous system, with its great cerebro-spinal centre and elaborate net-work of connecting nerves, extending to all parts of the body, is sufficiently analogous to an electric system to justify a comparison for the sake of illustration.

The nerve centres are recharged for their wonderful work of evolving and giving out nerve force by recreation, rest, sleep, and suitable food.

They are exhausted by excessive and long-continued activity, emotional strains and physical excesses and the legion of causes incident to modern civilized life; also, by deficiency in the quality of food or by inability of the nutritive organs to assimilate the food provided, constituting a literal "starvation in the midst of plenty."

Unless the cerebro-spinal system is kept well nourished, the nervous activity of the individual—his effective force in life—shows signs of deterioration.

It has been demonstrated that the hypophosphites are the natural builders of healthy nerve structures. They should be administered in all conditions of deficient nerve vitality. Their administration should be supplemented by other suitable agents temporarily required by the particular case in hand.

Thus, in cases characterized by excessive excitability, the various nerve sedatives should be administered, as needed, to reduce the irritability and calm the patient, conjointly with McArthur's syrup to restore the integrity of the nervous system.

In cases characterized by great vital depression or more or less complete local paralyses, McArthur's syrup should be given combined with the appropriate additional stimulating treatment, as determined by the nature of the case.

That very numerous class of cases characterized by neuralgias and other painful conditions—as Romberg so well says, "The prayer of a nerve for food"—should be generously treated with McArthur's syrup, in addition to the required temporary treatment for the relief of the immediate symptom, pain.

The cases which are associated with impoverishment of the blood should be given McArthur's syrup and, in addition, a brief course of other appropriate hæmatinics.

McArthur's syrup is a syrup of the chemically pure hypophosphites of lime and soda, uncomplicated by other drugs.

It, better than any other agent, will sustain the nervous system through a long or unusual effort, or restore the system after such continued activity.

A full sized bottle of the syrup will be sent to any physician who wishes to make use of it in his practice, without expense, save express charges. Address, The McArthur Hypophosphite Co., Boston, Mass.

The Perfectly Prepared Pill:

ITS ESSENTIAL POINTS may be thus formulated:

PURITY of medicaments and excipients.
PRECISION as to weight and division.
PERFECT UNIFORMITY as to activity and identity.
PROMPT SOLUBILITY of mass and coating.
PERMANENCE as to conservation.
PALATABILITY; and ELEGANCE of appearance.

PURITY OF MEDICAMENTS is, of course, indispensable to the perfect pill. Less obvious, but equally true, is the proposition that upon this factor the value of its other qualities is largely dependent. Exactitude of weight and uniformity of preparation have little significance if the medicament be impure, while indifferent drugs are liable to chemical changes which affect their stability and activity.

SAFE AND CERTAIN RESULTS are only to be obtained with pure remedies. The methodical treatment of disease calls for therapeutic agents which are as nearly absolute in quality as they can be made by the combined resources of chemistry and pharmacy under competent and conscientious direction.

IN THE W. H. S. & CO. pill these conditions are fully realized. Only the purest materials are employed; no component is substituted, either for economy's sake or for any other reason; and the formula is exactly followed. We believe that the W. H. S. & Co. pill fully meets the requirements of modern therapeutics.

SOME OF THESE PREPARATIONS are specified below, and they are offered as being especially useful at this time.

Pil. Phenacetine (Bayer), "W. H. S. & Co."

For All Forms of Fever, Pain, Rheumatism and Neuralgia; for Pertussis, and for conditions in which pain or fever, or both, are to be combated. (Pills of 2, 3, 4 and 5 grs.)

Pil. Phenacetine et Salol, 5 grs., "W. H. S. & Co."

For Influenza, (La Grippe), Acute Articular Rheumatism, Neuralgia, Migraine, Whooping Cough, and all painful febrile conditions. (Pills containing 2½ grains each of Phenacetine-Bayer and Salol. Half strength also prepared.)

Pil. Terpin Hydrat., "W. H. S. & Co."

For Coughs, Colds, Catarrh, Bronchitis and all Acute and Chronic Respiratory Maladies. No unpleasant symptoms follow its continuous use. (Pills of 2 and 5 grains.)

Pil. Quiniæ, Ferri et Zinci Valerianat., "W. H. S. & Co."

For Nervous Tension, Melancholia, Epilepsy, Hysteria, Delirium Tremens, Dysmenorrhœa, and all Neuroses dependent upon the cares of life. (Pills of 3 grains.)

IN PRESCRIBING BE PARTICULAR TO SPECIFY "W. H. S. & CO."

W. H. Schieffelin & Co., New York.